

Willoughby Natural Heritage Register - Northbridge data sheets

KEY

COLUMN 1: LAND DESCRIPTION: All property addresses are listed in alphabetical order under the street name and divided into three categories (colour coded):

Residential Properties and Schools

Road reserves, drainage easements and public pedestrian linkages

Public reserves

COLUMN 2: ITEM refers to a scheduled item assessed as having natural heritage values or significance as defined in the study (e.g. single tree, tree group, remnant community, sandstone outcrop or scarp, etc.).

COLUMN 3: ECOLOGICAL COMMUNITY and map units are in accordance with Benson & Howell (1994) in Cunninghamia 3(4) pp. 677-711, Royal Botanic Gardens, Sydney.

COLUMN 4: SPECIES = listed tree species (NOTE: 6-letter epithet/ identity code GENUS-SPECIES); refer to **Key to Native Plant Species Schedule - Northbridge**.

COLUMN 5: AGE = estimated age of listed heritage tree/ item. These estimates are generally very conservative (eg. long lived species such as *Ceratopetalum gummiferum* may be several decades older than estimates).

COLUMN 6: HEIGHT = estimated height (in metres)

COLUMN 7: SPREAD = estimated canopy diameter (in metres)

COLUMN 8: CONDITION refers to overall health, vigour and structure of scheduled tree(s). Description as 'regrowth' is used as a general reference to mesic shift/ level of disturbance and modification (incl. common tree/ shrub species such as *Pittosporum undulatum*, *Glochidion ferdinandi*, *Homalanthus populifolius*, etc).

COLUMNS 9-11: For a detailed explanation of ECOLOGICAL INTEGRITY, DURABILITY RANKING and CORRIDOR LINKAGES refer to *WCC Natural Heritage Register (2002)*.

COLUMN 12: EXISTING PROTECTION identifies legislative framework for protection (as of 4/07/2014). Refer to current Willoughby LEP.

COLUMN 13: NOTES includes additional information describing listed items, context and description of remnant native components.

Northbridge contains many examples of local and generic native planting. In many instances these cultivated plants, of unknown provenance, have been inter-mixed with remnant native communities particularly along disturbed/ modified edges to bushland reserves, road verges and easements. In instances where native cultivated items are in association with listed natural heritage items they are identified in the NOTES column and shown in red font. Controlled broad area burn and pile burn map data (printed 20/10/2008) were added to Northbridge listings (Source: WCC/ Davis, F.).

The data for this study was collected by Noel Ruting, LandArc Pty Limited between 4/08/2008 and 18/12/2009.

Suburb: Northbridge

Ecological Communities: Sydney Sandstone Gully Forest (10agi) and Sydney Sandstone Ridgetop Woodland (10ari)

Land Description	Item	Ecological Community	Species	Age Structure	Height [metres]	Spread [metres]	Condition	Ecological Integrity	Durability Ranking	Corridor Linkages	Existing Protection	Notes
Aubrey Road - Road Reserves and Drainage Easements:												Survey Date: 16 Mar-20 Mar 2009
rock outcrops/ road cutting adj. to front boundaries of Nos.4-8 Aubrey Road	tree group s/s outcrops s/s cutting	10ar(i)	Had [2]	20-30+	6-7m	4-5m	fair	5	low	restricted	T&BPO	significant rock outcrops/ cutting; steep embankment/ highly modified; dom. exotics/weeds [incl. <i>Nephrolepis</i> <i>Senna</i> , <i>Asparagus</i> , <i>Pennisetum</i> , <i>Ochna</i> , <i>Watsonia</i> spp.]; <i>Banksia integrifolia</i> [scattered group] - likely cultivated origin; Had [2]- possibly planted; no native g/covers present.
Baroona Road - Residential Properties:												Survey Date: 20 Oct-24 Oct 2008

82 Baroona Road: rear garden/ lower portion adj. to Ulric Lane	s/s outcrops remnant community	10ar(i)	Ka [2]	up to 20-30+	up to 2-3m	up to 3-4m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	rock outcrops/ lawn; native regrowth assoc.w. rock outcrops [<i>Kunzea</i> , <i>Pittosporum</i> , <i>Lomandra</i> , <i>Pteridium</i> spp.; no canopy spp.; dom. weeds.
84 Baroona Road: rear garden/ lower level adj. to pool & bdy. to No.86	s/s outcrops remnant community	10ar(i)	Ac [2] Ka/ Al Ac [1]	20-30+ up to 20-30+ 20-30+	6-8m up to 2-4m 9m	1-2m 1-4m 5m	good good good	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	rock outcrops/ lawn; native regrowth assoc.w. s/s outcrops [<i>Allocasuarina</i> <i>Kunzea</i> , <i>Epacris</i> , <i>Acacia</i> , <i>Lomandra</i> spp.]; dom. weeds [<i>Asparagus</i> spp.]; mixed w. gen. native planting [<i>Eucs</i> / <i>Corymbia</i> spp.]; 1X Ac likely planted.
86 Baroona Road: rear garden/ mid-level rock outcrops	s/s outcrops tree group	10ar(i)	Esi [1] Ac [3]	20-30+ 20-30+	7m 6-9m	5m 1-3m	fair fair [2]/ good [1]	varies: 3-5	medium-low	restricted	T&BPO	rock outcrops/ lawn area; Esi [1]/ fair- ext. decay/insect damage & epicormic regrowth; weeds [<i>Asparagus</i> sp.]; generic native planting [<i>Eucalyptus</i> <i>saligna</i> & other spp.]; regen./saplings.
lower level rock shelf adj. to rear bdy./ cutting to Ulric Lane	remnant community		Era [1] Ka [dom.] Had [1] Aba [3] Aba/ Esi/ Al Had/ Ka	60-80+ up to 50-60+ 60-80+ 50-80+ up to 5-10 up to 5-10	5m up to 6-7m 4m 2-5m up to 1-2m up to 1-2m	7m up to 6-7m 3m 2-5m up to 1-2m up to 1-2m	good fair/ good v.poor good [2]/ fair [1] saplings/ regen. saplings/ regen.	varies: 1-3 [mainly 1]				small isolated remnant community on rock shelf; high natural biodiversity/ significant group w. old specs./ good regen; Had [1]- damaged crown; Aba [4]- varying condition/ regrowth; native understorey incl. <i>Grevillea speciosa</i> , <i>G. buxifolia</i> , <i>Crowea</i> , <i>Acacia</i> , <i>Epacris</i> <i>Woollsia</i> , <i>Polyscias</i> , <i>Dianella</i> , <i>Caustis</i> <i>Lomandra</i> spp./other native grasses; weed invasion by <i>Asparagus</i> sp.; site would respond to regen. strategy; ageing owner is blind & now unable to manage weed issues/ recommend community liaison/ regen. program.
90 Baroona Road: rear garden	single tree	10ar(i)	Eha [1]	30-40+	10m	12m	fair	5	low	isolated	T&BPO	lawn; Eha [1]- leaning/ likely planted; also cultivated <i>Corymbia citriodora</i> .
Baroona Road - Road Reserves and Drainage Easements:											Survey Date: 4 Aug-8 Aug 2008	
rock outcrop adj. to front bdy. No.61 Baroona Rd: verge	s/s outcrops remnant community	10ar(i)						varies: 4-5 [mainly 5]	low	isolated	T&BPO	remnant native ferns assoc. w. rock outcrops [incl. <i>Gleichenia</i> , <i>Lastreopsis</i> <i>Calochlaena</i> spp.]; also <i>Cyathea</i> sp.; no native canopy; exotics/ weeds.
Bligh Street [incl. Lower Bligh Street] - Residential Properties:											Survey Date: 16 Mar-20 Mar 2009	
5 Bligh Street: front garden/ adj. to front bdy. fence	single tree	10ar(i)	Ceg [1]	60-80+	6m	3m	good	5	low	isolated	T&BPO	exotic garden/ lawn; possibly planted.
33 Bligh Street: front garden	two trees	10ar(i)	Cgu [1] Gf [1]	60-80+ 30-40+	9m 6m	12m 5m	fair good	5	low	isolated	T&BPO	exotic garden/ lawn; Cgu [1]- some pruning/ dead wood; dom. weeds.
Northbridge Tennis Club [NTC]	tree group	10ar(i)/	Epu [1]	80-100+	9m	14m	see notes	varies: 4-5	low	isolated	T&BPO	NTC established in 1926 on former

44-46 Bligh Street: southern bdy.		10ag(i)	Gf [1]	80-100+	9m	12m	good	[mainly 5]					quarry site; terraced exotic gardens/ rock outcrops; Epip [1]- old growth specimen/1300mm diam. base; basal cavity/ recommend arborist inspection; Gf [1]- old growth twin-trunk specimen
rock outcrops adj. to clubhouse deck [south-western cnr.]	s/s outcrops		Cal [1]	unknown	3m	2m	good/ regrowth						Cal [1]- lopped to base/ regrowth possibly old growth spec.; natives incl. <i>Omalanthus</i> , <i>Histiopteris</i> spp.; Pu regrowth; <i>Cyathea</i> sp. [cultivated origin]; weeds- <i>Cinnamomum</i> , <i>Senna</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.
Bligh Street - Road Reserves and Drainage Easements:												Survey Date: 4 Aug-8 Aug 2008	
central island in roadway/ embankment/ wall; rock outcrops	tree group s/s outcrops s/s cutting	10ar(i)	Fru [1] Gf [1] Fru [3]	30-40+ 40-50+ up to 10+	5m 6m <1.5m	8m 6m <2m	good good good	5	low	isolated	T&BPO	embankment/ significant s/s outcrops; some native regen. [<i>Acacia linifolia</i>]; Pu regrowth; no native g/covers; planted <i>Lomandra</i> sp.; dom. exotics/ weeds [<i>Olea</i> , <i>Cinnamomum</i> , <i>Genista</i> , <i>Populus</i> , <i>Acetosa</i> spp.] & gen. native planting [Euc./ <i>Callistemon</i> spp.].	
												Survey Date: 16 Mar-20 Mar 2009	
cul-de-sac between Bligh St [upper level] & Lower Bligh St. adj. to bdy. No.7 Clifton Ave.	single tree s/s outcrops s/s scarp	10ar(i)	Gf [1]	60-80+	7m	10m	good	5	low	isolated	T&BPO	embankment/ significant s/s outcrops; Pu regrowth; no native g/covers; dom. exotics/ weeds [<i>Cinnamomum</i> , <i>Lantana</i> , <i>Phyllostachys</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> spp.]	
Bourmac Avenue - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009	
16 Bourmac Ave: front [northern] garden/ lawn area	single tree	10ar(i)	Eha [1]	80-100+	15m	16m	good	5	low	isolated	T&BPO	large exotic garden/ lawn; Eha [1]- old growth twin-trunk specimen/ some dead wood.	
Byora Crescent - Road Reserves and Drainage Easements:												Survey Date: 27 Apr-1 May 2009	
pedestrian right-of-way/ steps between Nos.15 & 17 Byora Rd and Nos. 3 & 7 Dalmeny Rd.	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	highly modified; no remnant natives; restoration planting [incl. <i>Crowea</i> , <i>Goodenia</i> , <i>Acacia</i> , <i>Billardiera</i> spp.]; weeds; also verge planting [Ac/ Eha].	
Byora Crescent - Public Reserves:												Survey Date: 27 Apr-1 May 2009	
Broomham Park - 'The Knoll' (Clive Park Group) Broomham Park is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas (Public Open Space) in the Willoughby City Bushland Plan of Management (2000). The park, named after Robert Broomham, resident and Alderman (1920-22) for Middle Harbour, was acquired from The Knoll subdivision (c.1924).													
park - core bushland on isolated/ elevated knoll surrounded by Byora Cres.	core bushland community	10ar(i)	Ac/Epip/Cgu Esi Epu/ Eha	up to 80-100+ up to 80-100+ up to 80-100+	up to 9-12m up to 6-8m up to 9-12m	up to 18m up to 14m up to 9-18m	varies varies varies	varies: 1-5 [mainly 1-2]	high-low	contiguous	SEPP 19/ T&BPO	significant s/s outcrops/ knoll; core bushland community w. intact native canopy/ understorey; varying level of	

& residential subdivision	s/s outcrops s/s scarp		Era [lower] Era [upper] Crho Al/ Ka Aldi Ceg Er/ Had Ple/ Pla/ Be Pu/ Gf	up to 80-100+ up to 80-100+ up to 80-100+ up to 40-50+ up to 30-40+ up to 60-80+ up to 30-40+ up to 40-60+ up to 50-60+	up to 10-14m up to 3-7m up to 4-7m up to 3-6m up to 2-3m up to 5m up to 4-6m up to 2-3m up to 4-6m	up to 14m up to 5-8m up to 2m up to 3-7m up to 3-5m up to 1-3m up to 3-5m up to 2-5m up to 6-8m	varies varies good varies varies good good good good/ regrowth					disturbance/ weed invasion & mesic shift in lower south-eastern edge; high biodiversity values; current weed management/regen. strategy; <i>Callitris</i> , <i>Allocasuarina/ Kunzea</i> [dom.] + <i>Eha</i> [mallee form] on knoll; native under-storey [incl. <i>Persoonia lanceolata</i> , <i>P. levis</i> , <i>Allocasuarina distyla</i> , <i>Banksia ericifolia</i> , <i>B. serrata</i> , <i>B. oblongifolia</i> , <i>Leptospermum trinervium</i> , <i>Pultenaea stipularis</i> , <i>Grevillea linearifolia</i> , <i>Acacia terminalis</i> , <i>A. suaveolens</i> , <i>Hakea</i> , <i>Ceratopetalum</i> , <i>Crowea</i> , <i>Platysace</i> , <i>Epacris</i> , <i>Caustis</i> , <i>Xanthorrhoea</i> , <i>Lepidosperma</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Patersonia</i> , <i>Entolasia</i> , <i>Calochlaena</i> , <i>Billardiera</i> spp.]; cultivated generic natives [incl. <i>Corymbia maculata</i> , <i>Euc. saligna</i> , <i>Livistona australis</i> , <i>Acacia falcata</i>]; exotics/ weeds [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Ehrharta</i> spp.]; north-western slopes/ controlled broad area burn [2003] & pile burn [2001].	
Calbina Road - Residential Properties:													Survey Date: 3 Nov-7 Nov 2008
2 Calbina Rd: rear garden/ lower level below scarp & adj. bdy. to No.28 Strathallen Avenue	tree group s/s scarp s/s outcrops	10ar(i)	Ac [1] Ac [2]	50-60+ 40-50+	10m 9-10m	8m 3-7m	good good	varies: 4-5 [mainly 5]	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. exotics/ weeds; Ac [3] group- 1X Ac larger than other 2X saplings in 1973 [data source: owner No.77 Cliff Ave]; remnant native ferns assoc. w. rock outcrops; Pu regrowth; generic native planting [<i>Cissus antarctica</i> planted].	
Note: Locally significant sandstone scarp/ rock shelf extending through rear gardens of 2-8 Calbina Road [splitting gardens into upper and lower levels].													
4 Calbina Rd: rear garden/ lower adj. rear to bdy. 79 Cliff Ave	single tree s/s scarp s/s outcrops	10ar(i)	Ceg [1]	30-40+	3m	2m	good	5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; remnant native ferns may be present.	
Note: Locally significant sandstone scarp/ rock shelf extending through rear gardens of 2-8 Calbina Road [splitting gardens into upper and lower levels].													
6 Calbina Rd: rear garden/ lower level	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; remnant native ferns may be present.	
Note: Locally significant sandstone scarp/ rock shelf extending through rear gardens of 2-8 Calbina Road [splitting gardens into upper and lower levels].													
8 Calbina Rd: rear garden/ lower level	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; remnant native ferns may be present.	
Note: Locally significant sandstone scarp/ rock shelf extending through rear gardens of 2-8 Calbina Road [splitting gardens into upper and lower levels].													
20 Calbina Rd: rear garden/	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant s/s outcrops; dom. weeds/	

upper level												exotics; recent clearing/ no native canopy; gen. native planting [Eucs].	
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.													
22 Calbina Rd: rear garden/ upper terrace on rock shelf/ outcrop	single tree	10ar(i)	Epu [1]	30-40+	12m	16m	good	5	low	isolated	adj.SEPP 19 /T&BPO	Epu [1] - some dead wood; exotic garden/ lawn; native Pu regrowth;	
steep lower slope to reserve bdy.	s/s outcrops											significant rock outcrops/ scarp; dom. weeds form dense thicket 12-14mHT; <i>Ligustrum/ Lantana</i> spp.[dom.]; native Pu regrowth; no access to lower level	
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.													listing subject to bdy. survey.
26 Calbina Rd: rear garden/ upper terrace on rock shelf/ outcrop	single tree	10ar(i)	Sg [1]	60-80+	10m	10m	good	5	low	isolated	adj.SEPP 19 /T&BPO	Sg [1] - multi-trunk spec./ located on scarp face adj. to bdy.No.28; exotic garden/lawn; native planting [<i>Banksia serrata</i>]; significant scarp/ outcrops.	
steep lower slope to reserve bdy.	s/s outcrops											steep lower slope dom. weeds; native Pu regrowth; no access to lower level	
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.													listing subject to bdy. survey.
34 Calbina Rd: rear garden/ lower steep slope to reserve bdy.	tree group	10ar(i)	Ac [dom.]	up to 60-80+	up to 16-18m	varies	good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO	Ac [dom.] group on steep inaccessible lower slope to reserve; surrounded by dense weed thicket 12-14m HT/ dom. <i>Ligustrum/ Lantana</i> spp.; native Pu regrowth; no access onto property; listing subject to bdy. survey.	
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.													
40 Calbina Rd: rear garden/ lower steep slope below terraced garden & pool	single tree	10ar(i)	Ac [1]	20-30+	7m	5m	good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	significant rock outcrops/ scarp; dom. weeds form dense thicket [<i>Ligustrum/ Lantana</i> spp.]; native Pu regrowth; generic native planting [upper levels]; past clearing/ planting [Ac possibly planted]; Green & Brown Tree Snakes & Diamond Pythons are present/ often in roof cavities; owner 36 Calbina Rd. reported large group of Tree Snakes in garage roof/ recently demolished.	
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.													
42 Calbina Rd: rear garden/ upper slope	s/s scarp	10ar(i)						5	low	isolated	adj.SEPP 19 /T&BPO	significant rock outcrops/ scarp; dom. weeds; gen. native planting [Eucs].	
lower slope to reserve bdy.	s/s outcrops	10ag(i)	Ac [1] Ac [1] Ceg	50-60+ 20-30+ up to 30-40+	16m 14m up to 6-7m	12m 10m up to 2-4m	good good good/ regrowth	varies: 3-5 [mainly 5]				lower slope [visually part of reserve/ walking track]; subject to bdy. survey; weeds form dense thicket [<i>Ligustrum/ Lantana</i> spp.] along lower south-east bdy; natives incl. <i>Calochlaena/ Smilax</i> spp.; Pu regrowth [dom.].	
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.													
44 Calbina Rd: rear garden/ upper terrace on rock shelf/ outcrop	tree group	10ar(i)	Epip [1] Ac [1]	50-60+ 30-40+	7m 7m	10m 5m	poor good	5	low	contiguous	adj.SEPP 19 /T&BPO	no access to rear garden/ upper scarp level; exotic garden/ new residence;	

	s/s scarp		Fru [1]	10-15+	3m	2m	good					significant scarp/ rock outcrops.
steep lower slope to reserve bdy.		10ag(i)	Ac [1] Ac [2] Had/ Ceg	80-100+ 30-50+ up to 30-50+	18m 12-14m up to 7-8m	18m 9-12m up to 3-6m	good poor good/ regrowth	varies: 2-5	high-low			lower slope [visually part of reserve/ walking track]; subject to bdy. survey; Ac [1]- old growth spec.; Ac [2]- ext. crown die-back/ dead wood; varying level of exotic weed growth; relatively intact native canopy/ understorey incl <i>Elaeocarpus</i> , <i>Grevillea</i> , <i>Calochlaena</i> , <i>Hakea</i> , <i>Lomandra</i> , <i>Billardiera</i> , <i>Smilax</i> spp.; Pu regrowth [dom.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 12-20 and 46-48 Calbina Road and through rear gardens of 22-44 Calbina Road.												
Calbina Road - Public Reserves:												Survey Date: 4 Aug-8 Aug 2008
Flat Rock Gully (Calbina Road walking track - Flat Rock Gully Group)												
Flat Rock Gully is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).												
bushland reserve: walking track off Calbina Road [upper section west of cul-de-sac]	remnant community s/s outcrops	10ar(i)/	Pu [dom.] Epip [1]	up to 20-30+ 80-100+	up to 5-6m 12m	varies 16m	fair/ poor good	varies: 4-5 [mainly 5]	low	restricted	SEPP 19 /T&BPO	highly disturbed & modified bushland; area under bush regen./ restoration strategy/ controlled pile burn [1998]; constructed wetland [native <i>Typha</i> sp.] Epip [1]- old growth specimen; dom. weeds- dense weed thicket [<i>Lantana</i> , <i>Cinnamomum</i> , <i>Ligustrum</i> / <i>Nephrolepis</i> spp.]; local & generic native planting [incl. <i>Banksia</i> , <i>Acacia</i> , <i>Kunzea</i> spp.].
bushland reserve: between Calbina Road and Pyalla Street cul-de-sac			Pu/ Gf	up to 20-30+	up to 6-7m	varies	good	varies: 4-5 [mainly 5]				ext. weed thicket [<i>Ligustrum</i> , <i>Lantana</i> , <i>Erythrina</i> , <i>Salix</i> , <i>Lonicera</i> spp.]; some native regrowth/ highly modified.
bushland reserve: south-west slope adj. to walking track [east of creek-line] lower slopes/ creek-line	core bushland community s/s outcrops	10ag(i)	Ac [dom.] Epip/ Cgu Er/ Ka Pu/ Fru/ Gf Cal/ Ceg	av.30-60+ av.30-60+ up to 20-30+ up to 20-30+ up to 50-60+	up to 9-12m up to 9-12m up to 6-7m up to 6-7m up to 5-7m	varies varies varies varies varies	good good good good good	varies: 2-5	high-low	contiguous		significant rock outcrops; largely intact native canopy/ age structure 30-60+ [dom.]/some old growth specs.; native understorey [incl. <i>Grevillea</i> , <i>Polyscias</i> , <i>Pteridium</i> , <i>Smilax</i> spp.]; high level of disturbance/ modification to edges.
Refer to Flat Rock Drive - Public Reserves: for further details of remnant bushland between Sailors Bay Road and Pyalla Street [rear property boundaries].												
Cliff Avenue [incl. Upper Cliff Avenue and Lower Cliff Avenue] - Residential Properties:												Survey Date: 3 Nov-14 Nov 2008
Refer to following section for odd numbers 1-47A Upper Cliff Avenue.												
1 Upper Cliff Ave: front garden	tree group	10ar(i)	Ceg [1]	50-60+	7m	3m	good	5	low	fragmented	adj. SEPP 19	terraced exotic garden; significant s/s
rear garden/ upper level adj. to bushland reserve [Northbridge Park]	s/s outcrops s/s scarp		Ceg [5]	40-60+	3-6m	1-3m	good	varies: 3-5 [mainly 5]	medium-low		/T&BPO	outcrops; house built in 1962/ owner confirmed bdy. to reserve; Ceg X 6- multi-stemmed/ pruned; native canopy absent/ native g/covers present [incl. <i>Calochlaena</i> , <i>Adiantum</i> spp.]; <i>Cyathea</i> sp. [cultivated origin].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												

3 Upper Cliff Ave: rear garden/ upper level	tree group s/s outcrops s/s scarp	10ar(i)	Ceg/Pu/Had Ceg[2]/ Al[1]	40-60+ 40-60+	7-8m 2-3m	3-5m 2-3m	good lopped	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant scarp/ rock outcrops; terraced garden; native regrowth assoc.w. rock outcrops/ no canopy spp; dom.weeds [<i>Ligustrum</i> , <i>Lantana</i> , <i>Genista</i> spp.]; no site access.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
5 Upper Cliff Ave: rear garden	tree group s/s outcrops	10ar(i)	Ceg/ Er/ Pu Fru [1]	up to 40-60+ <5	4-6m <1m	2-4m <1m	good good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant s/s outcrops; terraced lawn native regrowth assoc.w. s/s outcrops <i>Calochlaena</i> sp./ no canopy spp.; dom. weeds [<i>Ligustrum</i> sp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
7 Upper Cliff Ave: rear garden/ upper level	tree group s/s outcrops	10ar(i)	Ceg/ Pu	up to 40-60+	4-6m	2-4m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant s/s outcrops; terraced lawn native regrowth; dom. weeds.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-37 Upper Cliff Avenue.												
9 Upper Cliff Ave: rear garden/ upper level/ scarp adj. to rear bdy. No.2A Ulric Lane	s/s outcrops s/s scarp remnant community	10ar(i)	Esi [1] Epi [1] Ka/ Al/ Ceg Had/ Er	40-50+ 10-15+ up to 40-60+ up to 30-40+	10m 5m up to 5-6m up to 4-6m	10m 2m varies varies	good good fair/ good fair/ good	varies: 2-5	high-low	restricted	T&BPO	significant rock outcrops; no access to upper scarp; native regrowth/ regen.; Esi [1]- some dead wood in crown; high remnant biodiversity along upper scarp [<i>Epacris</i> , <i>Crowea</i> , <i>Platysace</i> , <i>Gleichenia</i> , <i>Histiopteris</i> , <i>Calochlaena</i> spp.]; Pu regrowth; dom. exotics/ weeds on lower level [<i>Lantana</i> sp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
11 Upper Cliff Ave: rear garden/ upper level/ scarp adj. to rear bdy. No.2A Ulric Lane	s/s outcrops s/s scarp remnant community	10ar(i)	Esi [1] Esi [3] Aba/ Had Al/ Ka	40-50+ 10-20+ up to 30-40+ up to 30-40+	9m 7-8m up to 3-5m up to 3-5m	10m 5-7m varies varies	good v.poor fair/ good fair/ good	varies: 2-5	high-low	restricted	T&BPO	significant rock outcrops; no access to upper scarp; Esi [1]- some dead wood in crown; Esi [3]/ v.poor- ext. die-back remnant native understorey [see No.9] spp.]; Pu regrowth; listings subject to bdy. survey; exotic garden lower level
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
Survey Date: 13 Oct-17 Oct 2008												
13 Upper Cliff Ave: front garden/ steep embankment/ rock cutting to driveway	s/s outcrops s/s scarp remnant community	10ag(i)/	Ka[2]/Ceg[1]	up to 20-30+	up to 3m	up to 3m	fair/ good	varies: 4-5	low	restricted	T&BPO	steep embankment/ terraced garden; dom. exotics/ weeds; native g/covers [incl. <i>Gleichenia</i> , <i>Calochlaena</i> spp.].
rear garden/ lower & mid-levels			Ceg [dom.] Pu [dom.] Al/ Had/ Be Er	up to 60-80+ up to 30-40+ up to 30-50+ up to 10-20+	up to 4-7m up to 6-8m up to 4-5m up to 4-7m	1-4m varies varies 1-3m	good good/ regrowth good good	varies: 2-5	high-low	fragmented		significant rock outcrops/scarp; native g/cover [<i>Acacia terminalis</i> , <i>Platysace</i> , <i>Histiopteris</i> , <i>Calochlaena</i> spp.]; Ceg/ Pu regrowth [dom.]; exotics/ weeds [<i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Lantana</i> spp.]; <i>Dicksonia</i> sp. [cultivated].
rear garden/ upper level [top of scarp] adj. to Ulric Lane		10ar(i)	Cgu [4]	40-50+	9-10m	5-7m	fair [3]/ good [1]					Cgu X3/ fair- crown die-back/ dead wood; dom. weeds [see list]; native Pu regrowth; subject to bdy. survey.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
15 Upper Cliff Ave: front garden/ steep embankment	s/s outcrops s/s scarp	10ag(i)/	Ka	20-30+	3m	3m	fair	varies: 4-5	low	restricted	T&BPO	steep embankment/ terraced garden; dom. exotics/ weeds.
rear garden/ upper level	remnant	10ar(i)	Cgu [1]	60-80+	14m	8m	good	varies: 2-5	high-low	fragmented		significant rock outcrops/ scarp; native

top of scarp/ rock shelf	community		Ceg Al [1] Al/ Er/ Ka Al Pu [dom.]	up to 40-60+ 50-60+ up to 30-40+ <10 up to 30-40+	up to 5-7m 8m up to 6-7m up to 4-5m up to 6-8m	1-4m 7m varies varies varies	good fair good good/ regen. good/ regrowth					g/covers- [incl. <i>Calochlaena</i> , <i>Acacia</i> , <i>Epacris</i> , <i>Dianella</i> , <i>Themeda</i> spp.]; Pu regrowth; dom.weeds along upper level to Ulric Lane [incl. <i>Cinnamomum</i> , <i>Lantana</i> , <i>Ligustrum</i> spp.]; subject to boundary survey.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
17 Upper Cliff Ave: rear garden/ lower slope [below scarp]	s/s outcrops s/s scarp tree group	10ag(i)/	Cgu [1] Cgu [2] Ceg [8+]	80-100+ 50-60+ up to 60-80+	16m 12-14m up to 5-6m	12m 6-10m varies	fair fair good	varies: 3-5	medium-low	fragmented	T&BPO	Cgu [1]- old growth specimen & Cgu [2]/ fair- dead wood/ crown die-back; Ceg [8+] significant group/good regen; native understorey incl. <i>Calochlaena</i> , <i>Blechnum</i> , <i>Smilax</i> spp.; also cultivated natives [<i>Lomandra</i> sp.]; no access.
rear garden/ mid-to upper slope [below scarp]	remnant community	10ar(i)	Had [1] Aba/ Ceg/ Al Pu [dom.]	40-50+ up to 30-40+ up to 30-40+	9m up to 6-7m up to 6-8m	3m varies varies	fair varies good/ regrowth					
rear garden/ upper level top of scarp/ rock shelf			Aba [1] Had [1] Aba Epil [1] Ka/ Al/ Er	80-100+ 40-50+ <10 <10 up to 30-40+	5m 6m <1.5m 4m up to 5-7m	6m 3m <1m 3m varies	v.poor good good/ regen. good/ sapling good	varies: 2-4	high-low			significant rock outcrops/ scarp; rock shelf; Aba [1]-old growth multi-trunk(6) spec./ ext. crown die-back; native g/covers/ good regen. [incl. <i>Epacris</i> , <i>Acacia</i> , <i>Crovia</i> , <i>Polyscias</i> , <i>Dianella</i> , <i>Dichelachne</i> spp.]; Pu regrowth; weeds [<i>Lantana</i> , <i>Asparagus</i> spp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
19 Upper Cliff Ave: front garden/ steep embankment	s/s outcrops s/s scarp remnant community	10ag(i)/						varies: 4-5 [mainly 5]	low	restricted	T&BPO	terraced garden; remnant native ferns [<i>Adiantum</i> , <i>Todea</i> spp]; native canopy absent; <i>Cyathea</i> sp. [cultivated origin]; dom. weeds [<i>Nephrolepis</i> sp.].
rear garden/ lower terrace adj. to house			Epil [1] Epil [1] Ac/ Ka	80-100+ <10 <5	22m 4m <2m	30m 2m 1-2m	good good/ sapling good/ regen.	varies: 3-4	medium-low	fragmented		Epil [1]- old growth spec./ some dead wood; native regen. [<i>Kunzea</i> , <i>Breynia</i> , <i>Grevillea</i> spp.]; weeds; generic native planting/ mixed w. natural regen.
rear garden/ mid- to upper level/ below scarp adj. to pathway			Epil [1] Ac [1] Ac [1] Ceg/ Al/ Er Epil [1] Fru [1]	80-100+ 10-15+ 40-50+ up to 20-30+ 10-15+ <5	20m 3m 7m up to 4-6m 7m <1m	25m 2m 4m varies 4m <1m	good good/ sapling poor good good/ sapling good/ sapling					Epil [1]- old growth spec./ some dead wood; native ferns/ regen.[<i>Blechnum</i> , <i>Histiopteris</i> , <i>Polyscias</i> spp.]; native Pu regrowth [dom.].
rear garden/ upper level top of scarp/ rock shelf			Ka/ Pu				regen./ regrowth					significant rock outcrops/ scarp; rock shelf; dom. weeds [<i>Cinnamomum</i> sp.] planted natives [<i>Lomandra</i> sp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
21 Upper Cliff Ave: rear garden/ lower level/ rock outcrops	s/s outcrops tree group	10ag(i)/	Aba [2] Ka	80-100+ up to 10-20+	5-6m up to 2m	6-8m up to 3m	v.poor good	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	steep slope; significant rock outcrops; Aba [2]- old growth specs./ 40-50% crown die-back/ dead wood; native g/covers [<i>Dianella</i> , <i>Pteridium</i> spp.];
rear garden/ upper slope	remnant community	10ar(i)	Cgu [1] Gf/ Pu/ Er	80-100+ up to 20-30+	12m up to 5-6m	12m varies	v.poor regrowth					

<p>Property adjoins 2A [A2] Namoi Road (Ulric Lane frontage) - refer to Namoi Road - Residential Properties.</p> <p>Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.</p>												Cgu [1]-old growth multi-trunk(3) spec. 80% die-back/ regrowth; dom. weeds [Cinnamomum, Nephrolepis spp.].
25 Upper Cliff Ave: rear garden/ lower level/ below scarp	s/s outcrops s/s scarp remnant	10ag(i)/	Cgu [1] Cal [12] Ceg [6+]	80-100+ up to 50-60+ up to 50-60+	12m 5-6m 5-6m	14m 2-5m 2-4m	fair good good	varies: 3-5	medium-low	restricted	T&BPO	significant rock outcrops/ scarp; exotic terraced garden; Cgu [1]- old growth multi-trunk(3) spec./ some dead wood; large group Cal/Ceg; cultivated natives [Cyathea sp./ Syzygium paniculatum]
rear garden/ upper slope to Ulric Lane	community	10ar(i)	Epip [1] Ka/ Ceg Had/ Er	60-80+ up to 30-50+ up to 30-50+	12m up to 5-6m 5-6m	12m varies varies	good fair fair	varies: 2-5	high-low			Epip [1]- some dead wood/ lopping; native g/covers [Calochlaena, Gahnia, Smilax spp.]; Pu regrowth; exotics/ weeds dom. [Nephrolepis sp]; listings subject to boundary survey.
<p>Property adjoins 2A [A2] Namoi Road (Ulric Lane frontage) - refer to Namoi Road - Residential Properties.</p> <p>Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.</p>												
27 Upper Cliff Ave: rear garden/ lower level/ below scarp	s/s outcrops s/s scarp	10ag(i)/	Cgu [1] Ceg [group]	60-80+ 60-80+	12m 6-8m	12m 2-4m	fair good	varies: 4-5	low	restricted	T&BPO	significant scarp/ rock outcrops; dead canopy trees; Cgu [1]- some die-back; Ceg [group]/ multi-stemmed/ possibly old growth group; Aba [1]- ext. crown die-back; native understorey [Epacris, Calochlaena, Grevillea, Billardiera, Dianella spp.]; Pu regrowth; exotics/ weeds dom. [Ligustrum, Nephrolepis Lantana spp.]; subject to bdy. survey.
rear garden/ upper rock shelf to Ulric Lane	tree group remnant community	10ar(i)	Aba [1] Had/ Er Ka/ Al	60-80+ up to 30-40+ up to 30-40+	5m up to 3-6m up to 3-6m	4m varies varies	poor good good	varies: 2-5 [mainly 4]	high-low			
<p>Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.</p>												
29 Upper Cliff Ave: rear garden/ lower level/ below scarp	s/s outcrops s/s scarp	10ag(i)/	Ceg/ Er Aba [1]	up to 60-80+ 40-50+	up to 5-6m 5m	varies 4m	good fair	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant scarp/ rock outcrops; steps cut into rocks; Ceg [group]- multi-stem; Aba [1]/ v.poor- ext. die-back; native understorey [incl.Acacia terminalis, A. suaveolens, Dianella, Gleichenia spp]; Pu regrowth; exotics/ weeds dom. [Cinnamomum, Nephrolepis, Ochna spp.]; subject to boundary survey.
rear garden/ upper rock shelf to Ulric Lane	remnant community	10ar(i)	Aba [1] Had/ Er Ka/ Al	40-50+ up to 30-50+ up to 30-50+	5m up to 3-5m up to 3-5m	3m varies varies	v.poor good good	varies: 2-5 [mainly 5]	high-low			
<p>Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.</p>												
31 Upper Cliff Ave: rear garden/ lower level/ below scarp	s/s outcrops s/s scarp	10ag(i)/	Had [1] Gf/ Ceg/ Er	50-60+ up to 40-50+	8m up to 6m	5m varies	v.poor good	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	significant scarp/ rock outcrops; Had [1]/v.poor- 90% die-back; dead trees; Ka [group]- old growth group; native understorey [Acacia, Crowea, Epacris spp.]; Pu regrowth; exotics/ weeds dom. [Cinnamomum, Cotoneaster, Asparagus spp.]; recent restoration planting along Ulric Lane frontage; introduced Eucalyptus saligna / regen. subject to bdy. survey; no access
rear garden/ upper rock shelf to Ulric Lane	remnant community	10ar(i)	Ka [group] Al/ Ceg Pu [dom.]	up to 60-80+ up to 30-40+ up to 30-40+	up to 4-6m up to 5-6m up to 5-6m	varies varies varies	good good regrowth	varies: 2-5 [mainly 5]	high-low			
<p>Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.</p>												
33 Upper Cliff Ave: rear garden/ lower & mid-level scarp	s/s outcrops s/s scarp	10ag(i)/	Epip [1] Al/ Er	30-40+ up to 30-40+	10m up to 5-8m	7m varies	poor good	varies: 2-5 [mainly 5]	high-low	restricted	T&BPO	significant scarp/ rock outcrops; steep slope; no access; dead trees; Epip [1]-

	remnant community		Ka/ Ceg Pu [dom.]	up to 30-40+ up to 40-50+	up to 4-6m up to 7-8m	varies varies	good regrowth					ext. die-back/ dead wood; Pu regrowth [dom.]/ lower scarp; Ka [dom.]- old growth group/ upper rock shelf; native understorey [<i>Grevillea</i> , <i>Epacris</i> spp.]; dom. exotics/ weeds [<i>Cinnamomum</i> , <i>Cotoneaster</i> , <i>Asparagus</i> spp.]; recent restoration planting along Ulric Lane frontage (roadworks); introduced <i>Euc. saligna</i> /regen.; subject to bdy. survey.
rear garden/ upper rock shelf to Ulric Lane		10ar(i)	Ka [dom.]	up to 60-80+	up to 5-6m	varies	good					
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
35 Upper Cliff Ave: rear garden/ lower level/ below scarp	s/s outcrops s/s scarp	10ag(i)/	Al/ Ka/ Ceg Pu [dom.]	up to 40-50+ up to 40-50+	up to 7-8m up to 7-8m	varies varies	good regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	significant scarp/ rock outcrops; Al [1]/ Ka [1]/ poor- ext. dead wood; native understorey/ lower level [<i>Calochlaena</i> , <i>Histiopteris</i> spp.]; Pu regrowth [dom.]. native understorey/ good regen. on upper rock shelf [<i>Acacia ulicifolia</i> , <i>A. terminalis</i> , <i>Crowea</i> , <i>Lomandra</i> spp.]; dom. weeds [<i>Erythrina</i> , <i>Lantana</i> , <i>Nephrolepis</i> spp.]; recent restoration planting adj. Ulric Lane; also generic native planting.
rear garden/ upper rock shelf to Ulric Lane	remnant community	10ar(i)	Al[1]/ Ka[1] Cgu [1] Ka/ Al/ Fru	50-60+ 40-50+ up to 30-40+	6m 7m up to 4-5m	4m 10m varies	poor good good	varies: 2-5 [mainly 4]	high-low			
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
												Survey Date: 4 Aug-8 Aug 2008
37 Upper Cliff Ave: front garden/ adj. to garage & front bdy. wall	two trees	10ag(i)/	Eha [1] Had [1]	80-100+ 40-50+	9m 4m	10m 4m	v.poor fair	5	low	fragmented	T&BPO	exotic garden; Eha [1]- old growth specimen/ 90% crown die-back & heavily lopped; weeds.
rear garden/ lower level below scarp	s/s outcrops s/s scarp remnant		Epip [1] Had/Ceg/Er Pu [dom.]	50-60+ up to 30-40+ up to 40-50+	12m up to 6-8m up to 7-8m	10m varies varies	poor varies regrowth	varies: 4-5	low	restricted		significant scarp/ rock outcrops; Epip [1]- ext. dead wood/ crown die-back; Cgu [1]- old growth specimen on rock shelf; native understorey/ good regen. [<i>Banksia</i> , <i>Polyscias</i> , <i>Crowea</i> , <i>Dianella</i> , <i>Platysace</i> , <i>Lomandra</i> spp.]; weed thicket along Ulric Lane [<i>Lantana</i> sp.]; generic native planting/ lower level.
rear garden/ upper rock shelf to Ulric Lane	community	10ar(i)	Cgu [1] Ka Bs/ Fru/ Er	80-100+ up to 60-80+ <5-10	9m up to 4m <1.5m	10m varies <1m	good fair/ good regen./ saplings	varies: 2-5	high-low			
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
41 Upper Cliff Ave: front garden	tree group s/s outcrops remnant community	10ag(i)/	Cgu [1] Cal [1] Er [1] Ac/ Ka	40-50+ 10-20+ 20-30+ <5	10m 3m 7m <1.5m	10m 4m 3m <1m	good good good good/ regen.	varies: 3-5 [mainly 5]	medium-low	fragmented	T&BPO	terraced garden; Cgu [1]- some dead wood; native ferns [incl. <i>Adiantum</i> , <i>Calochlaena</i> , <i>Gleichenia</i> spp.]; good natural regen./ Ac along front bdy.; dom. exotics; also gen. native planting; Brush Turkey (<i>Alectura lathami</i>).
rear garden/ upper level			Al [1] Aba [1] Ka/ Ceg/ Er	40-50+ 50-60+ up to 30-50+	7m 6m up to 5m	4m 4m up to 3m	good fair/ lopped good	varies: 4-5	low			
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
43 Upper Cliff Ave: rear garden/	tree group	10ag(i)	Epip [1]	80-100+	14m	20m	see notes	varies: 4-5	low	fragmented	T&BPO	steep slope; significant s/s outcrops/

upper level & scarp adj. to pedestrian right-of-way [Lane W55]	s/s outcrops s/s scarp		Epip [1] Epip [1] Ceg [3] Pu	60-80+ 50-60+ 40-50+ up to 40-50+	15m 12m 4-6m up to 12m	16m 12m 2-5m varies	see notes good good regrowth	[mainly 5]					scarp; part of contiguous group; Epip[1] 80-100+old growth multi-trunk spec./some dead wood & termite nest; Epip[1] 60-80+ large cavity & bracket fungi- recommend arborist inspection; native g/covers [incl. <i>Smilax</i> , <i>Dianella</i> spp.]; dom. exotics/ weeds; generic native planting [<i>Corymbia</i> spp]; current building works.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.													
45 Upper Cliff Ave: front garden	tree group	10ar(i)	Epip [1]	80-100+	9m	8m	fair	varies: 4-5	low	restricted	T&BPO		significant s/s outcrops; garden/ lawn; Epip[1]- old growth/ 900mm diam. base/ leaning trunk w. insect & crown damage/ regrowth; Ceg [dom.] large group/ possibly much older; native ferns [<i>Calochlaena</i> sp.]; dom. weeds [<i>Nephrolepis</i> , <i>Lantana</i> , <i>Tradescantia</i> spp.]; also generic native planting [<i>Eucalyptus</i> , <i>Syzygium</i> spp.].
rear garden/ upper level & scarp	s/s outcrops s/s scarp		Ceg [8] Ac [2] Pu [dom.]	up to 40-50+ 20-30+ up to 40-50+	up to 5-8m 9-10m up to 12m	up to 2-4m 3-4m varies	good fair regrowth	[mainly 5]					
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.													
Survey Date: 20 Oct-24 Oct 2008													
47A Upper Cliff Ave: rear garden/ steep gully/ creek-line	tree group s/s outcrops s/s scarp	10ag(i)	Epip [1] Ceg [group] Epip [1]	80-100+ up to 50-60+ 5-10+	16m 6-7m 4m	20m 4-5m 1m	good good good/ sapling	varies: 4-5 [mainly 5]	low	fragmented	T&BPO		lawn; Epip [1]- old growth spec./some dead wood & epicormic growth; significant rock outcrops/ scarp; Pu regrowth; remnant native g/covers on scarp [<i>Lomandra</i> , <i>Themeda</i> spp.]; cultivated natives [<i>Kunzea</i> , <i>Acacia</i> , <i>Cyathea</i> spp.]; dom. weeds.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.													
Refer to following section for even numbers 24-44 Lower Cliff Avenue [for even numbers 2-22 refer to Cliff Avenue - Public Reserves.													Survey Date: 3 Nov-14 Nov 2008
24 Lower Cliff Ave: rear garden/ steep slope adj. to bushland reserve [Flat Rock Gully]	tree group	10ag(i)	Fru [1] Ceg [2]	50-60+ up to 40-50+	14m 7-9m	15m 2-3m	good good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO SREP 23		upper terraced garden; <i>Cyathea</i> sp. [cultivated origin]; dom. exotics [<i>Liquidambar</i> sp.]/ dense weed thicket [<i>Ligustrum</i> sp]; subject to bdy. survey no access to steep lower slope.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
30 Lower Cliff Ave: front garden/ adj. to entry/ rock cutting	tree group s/s outcrops	10ag(i)	Ac [1]	60-80+	18m	15m	good	varies: 3-5 [mainly 5]	medium-low	contiguous	adj.SEPP 19 /T&BPO SREP 23		small garden adj. to entry level; dom. weeds [<i>Nephrolepis</i> sp.]; native ferns & g/covers [<i>Calochlaena</i> , <i>Blechnum</i> , <i>Doodia</i> , <i>Adiantum</i> , <i>Lomandra</i> , <i>Dianella</i> spp.]; planted native ferns.
rear garden adj. to deck & bushland reserve [Flat Rock Gully]			Ac [2] Ceg	40-50+ up to 50-60+	10m up to 7-8m	8-12m 1-3m	good/ fair good	varies: 4-5 [mainly 5]	low				dom. weeds [<i>Ligustrum</i> sp.]; native <i>Cyathea</i> sp. [cultivated]/ <i>Calochlaena</i> sp.; no access to steep lower slope.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
Nos. 28 & 32 Lower Cliff Avenue are part of bushland reserve [Flat Rock Gully/ Tunks Park] - see Cliff Avenue: Public Reserves.													
34 Lower Cliff Ave: rear garden													Epip/ Ac within public reserve.
36 Lower Cliff Ave: rear garden/	tree group	10ag(i)	Ac [1]	80-100+	18m	18m	good	5	low	contiguous	adj.SEPP 19		Ac [1]- old growth spec.; steep slope;

steep slope [lower level] adj. to bushland reserve [Flat Rock Gully]	s/s outcrops s/s scarp		Ceg/ Er Pu	up to 10-20+ up to 50-60+	3-6m up to 7-8m	2-3m varies	good/ regrowth good/ regrowth				/T&BPO SREP 23	dom. exotics/ weeds [<i>Cinnamomum</i> , <i>Celtis</i> , <i>Tradescantia</i> spp.]; native Pu regrowth [dom.]; subject to boundary survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
40 Lower Cliff Ave: rear garden/ steep gully adj. to bushland reserve [Flat Rock Gully]	tree group s/s outcrops	10ag(i)	Ac [3] Ac [1] Ac [1] Bs [1]	60-80+ 60-80+ <5 <5	16-18m 16m 2m 2m	12-15m 12m 1m	good fair sapling good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	terraced exotic garden/ steep gully; dom. weeds [<i>Nephrolepis</i> sp.]; Ac[1]/ fair [lower level]- damaged crown/ good regrowth; also generic native/ rainforest planting/ <i>Banksia serrata</i> [1] likely planted; subject to bdy. survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
42 Lower Cliff Ave: front garden/ embankment adj. driveway/garage	tree group s/s outcrops	10ag(i)	Ceg [1] Ceg [group]	60-80+ up to 60-80+	7m up to 7m	6m varies	good good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	Ceg [1]- damage to conc. slab. exotic garden/ steep gully; dom. weed thicket up to 6-8m HT [<i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> spp]; natives- Ceg [dom.]; g/covers incl. <i>Doodia/ Calochlaena</i> spp.; Ac [2]- some dead wood; subject to bdy survey.
lower rear garden adj. creek-line/ steep gully adj. to bdy. bushland reserve [Flat Rock Gully]			Cal/ Er Ac [1] Ac [1]	up to 10-20+ 60-80+ 30-40+	4-7m 12m 10m	1-3m 12m 6m	good/ regrowth good good					
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
44 Lower Cliff Ave: front garden/ upper north-western cnr.	tree group s/s outcrops	10ag(i)	Epip [1] Ceg [2]	80-100+ 40-60+	12m 5-7m	15m 4-6m	good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO SREP 23	Epip[1]- old growth/ multi-trunk spec. 1000mm diam. base; native <i>Dianella</i> spp./ Pu regrowth; terraced garden; steep lower gully; native <i>Cyathea</i> sp. [group]; dom. weeds [<i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Phoenix</i> spp.]; subject to boundary survey; no access.
rear garden/ mid-terrace			Ceg [1]	40-50+	5m	3m	good					
steep gully adj. to bdy. bushland reserve [Flat Rock Gully]												
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Refer to following section for 50-87 Cliff Avenue.											Survey Date: 3 Nov-14 Nov 2008	
50 Cliff Ave: front garden/ adj. to house/ entry steps	tree group s/s outcrops	10ag(i)	Epip [1] Ac [1]	40-50+ 80-100+	18m 20m	7m 25m	fair good	5	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	Epip [1]- ext. pruning/ dead wood; Ac [1]- old growth spec./lower garden subject to bdy. survey [possibly in reserve]; weed thicket up to 6-8m HT [<i>Lantana</i> , <i>Ligustrum</i> spp]; also gen. native planting- <i>Kunzea/Banksia</i> spp. likely planted; no access.
steep gully adj. to bdy. bushland reserve [Flat Rock Gully]			Ac [1] Epip [1] Ka/ Bs	30-40+ 40-50+ <5	12m 14m	5m 10m	good fair good					
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
52 Cliff Ave: rear garden/ steep gully adj. to bdy. bushland reserve [Flat Rock Gully]	tree group s/s outcrops	10ag(i)	Ac [2] Ceg/ Er	60-80+ up to 20-30+	16-20m 5-7m	12-15m 1-2m	good good	5	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	exotic garden/ steep slope; cultivated rainforest spp. [incl. <i>Acmena smithii</i>]; weed thicket up to 6-8m HT [<i>Lantana</i> , <i>Ligustrum</i> , <i>Tradescantia</i> spp.]/ recent clearing; Ac [2]- some dead wood.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
54 Cliff Ave: front garden	s/s outcrops	10ar(i)/									adj.SEPP 19	significant rock outcrops adj. to steps.
rear garden/terrace adj. bdy.No.52	two trees	10ag(i)	Ac [1] Ac [1] Ac	60-80+ 50-60+ <5	10m 10m <1m	12m 9m <1m	fair good good/ regen.	varies: 4-5 [mainly 5]	low	fragmented	/T&BPO SREP 23	terraced garden/ dom. weeds; Ac [1]- leaning/ ext. dead wood & cavity w. Fru [1] sapling - recommend arborist inspection; Ac [1]- lower gully/ dense

												weed thicket up to 6-8m HT [<i>Lantana</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> spp.]; no access to lower gully.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
56 Cliff Ave: rear garden/ western bdy. rock shelf/ scarp bdy. to bushland reserve [Flat Rock Gully]	s/s scarp s/s outcrops tree group remnant community	10ar(i)	Bs [1]	50-60+	6m	7m	good	varies: 3-5 [mainly 5]	medium-low	contiguous	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group; significant
			Ac [1]	20-30+	8m	4m	good					scarp/ rock outcrops adj. reserve bdy
			Ceg [1]	50-60+	4m	3m	good					& easement/ subject to bdy. survey;
			Al [1]	15-20+	5m	3m	good					exotics/ weeds [<i>Phyllostachys</i> (dom.)
			Fru [1]	5-10+	5m	2m	good					<i>Lantana</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> spp.]
			Cgu/ Ac	<5-10	<2m	<1m	saplings/ regen.					Cyathea sp.[cultivated/ front garden];
upper rear garden/ central [gazebo] & lower terraced gully slope			Al/ Er	<5-10	<3m	<1m	saplings/ regen.					good native regen./saplings; natives- <i>Lomandra</i> , <i>Pteridium</i> , <i>Smilax</i> spp.;
			Ac [1]	60-80+	12m	12m	good					Ac[1+3]- some dead wood/ Ac[1]/ fair-
			Ac [4] Pu	50-60+ up to 30-40+	10-12m up to 6-8m	8-9m varies	good [3]/ fair [1] regrowth					ext. dead wood; Pu regrowth [dom.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.												
57 Cliff Ave: front garden/ south- eastern cnr. to front bdy.	single tree	10ar(i)	Esi [1]	20-30+	8m	8m	fair	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic garden adj. to front wall; Esi[1]- dead wood/ regrowth & lopping/align. for o'head power-lines; natives [incl. <i>Polyscias</i> , <i>Lomandra</i> , <i>Dianella</i> spp]; Pu regrowth.
58 Cliff Ave: rear [lower] garden on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully]	s/s scarp s/s outcrops tree group remnant community	10ar(i)	Ac [1]	50-60+	9m	7m	poor	varies: 3-5 [mainly 5]	medium-low	contiguous	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group; significant
			Al [1]	40-50+	7m	9m	fair					scarp/ rock shelf adj. to reserve bdy;
			Al	up to 10-20+	up to 5-6m	varies	good/ regrowth					Ac [1]/ poor- dead wood/ adventitious
			Ac/ Al/ Er	<5	<1.5m	<1m	saplings/ regen.					growth; exotic garden; <i>Cyathea</i> sp. [cultivated]; native regen. [<i>Dodonaea</i> , <i>Lomandra</i> , <i>Imperata</i> , <i>Dianella</i> spp.]; Pu regrowth; dom. weeds [<i>Lantana</i> , <i>Phyllostachys</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> spp.]; listings subject to bdy. survey.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.												
59 Cliff Ave: rear garden/ upper terrace level	tree group	10ar(i)	Ac [1] Ceg [1] Eha [1]	60-80+ 30-40+ <5	9m 2m 5m	10m 1m 2m	good good/ pruned sapling	5	low	restricted	T&BPO	exotic garden/ lawn area; Ac[1]- some dead wood; generic native planting; Eha [1]- possibly planted; no access.
60 Cliff Ave: rear [lower] garden on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully]	tree group s/s scarp	10ar(i)	Ac [4]	40-60+	9-12m	7-10m	good	5	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group; significant
			Ac [1]	10-20+	7m	3m	good					scarp/ rock shelf adj. to reserve bdy; Ac [group]- some dead wood present; dom. exotics/ weeds [incl. <i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Ailanthus</i> spp.]; Pu regrowth; subject to bdy. survey.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.												
61 Cliff Ave: rear garden	single tree	10ar(i)	Eha [1]	60-80+	9m	10m	fair/ lopped	5	low	restricted	T&BPO	exotic garden; Eha [1]- cavities/ ext. dead wood/ heavy pruning; no access

62 Cliff Ave: rear [lower] garden [below studio] on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully] Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.	single tree s/s scarp	10ar(i)	Ac [1]	20-30+	9m	5m	good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	exotic/ landscaped garden; Ac [1]- on significant scarp/ rock shelf adj. to reserve bdy; Pu regrowth; remnant native ferns [incl. <i>Calochlaena</i> sp.]; listing subject to boundary survey.
64 Cliff Ave: rear [lower] garden [below pool deck] on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully] Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.	tree group s/s scarp s/s outcrops	10ar(i)	Ac [2] Ac [2] Fru [1] Er [1]	40-60+ 30-40+ 30-40+ 20-30+	10m 9-10m 7m 7m	9-10m 3m 12m 1m	good fair good poor	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group; significant scarp/ rock shelf adj. to reserve bdy; native regen/ Ac seedlings & <i>Dianella</i> , <i>Glycine</i> spp; Pu regrowth; exotics/ weeds dom.; Ac [2]/ fair- ext. dead wood/regrowth; Fru [1]- on scarp face
66 Cliff Ave: rear [lower] garden/ on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully] Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.	tree group s/s scarp s/s outcrops	10ar(i)	Ac [2] Ac [1] Ac [1] Cgu [1] Al [2]	40-60+ 20-30+ 30-40+ 30-40+ up to 20-30+	12m 9m 9m 9m 4-5m	9-10m 3m 6m 5m 2-6m	good good fair/ regrowth good good/ regrowth	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group; significant scarp/ rock shelf adj. to reserve bdy; native <i>Smilax</i> spp; Pu regrowth; dom. weeds [incl. <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; Cgu [1]- damaged crown/ regrowth; Ac [1]/ fair- ext. dead wood/ adventitious regrowth.
68 Cliff Ave: rear [lower] garden/ on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully] Notes: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68 Cliff Avenue.	tree group s/s scarp	10ar(i)	Ac [1] Ac [4] Al [3]	60-80+ 20-30+ up to 20-30+	14m 8-10m 4-6m	12m 2-4m 2-4m	good good [3]/ poor [1] good/ regrowth	5	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group; significant scarp/ rock shelf adj. to reserve bdy; dom. exotics/ weeds [incl. <i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Musa</i> spp.]; remnant natives/ regen.; Ac [poor]- ext. dead wood/ regrowth; listings subject to boundary survey.
73 Cliff Ave: rear garden/ upper terrace level	single tree	10ag(i)	Ac [1]	30-40+	14m	6m	good	5	low	isolated	T&BPO	exotic garden/ new landscaping; gen. native planting [Eucs]; no access; Ac [1]- competition w. exotics.
75 Cliff Ave: front garden/ lawn on bdy. to No.77 Cliff Ave	two trees s/s outcrops	10ag(i)	Ac [1] Ceg [1]	60-80+ 60-80+	9m 8m	12m 3m	see notes good/ pruned	5	low	restricted	T&BPO	exotic garden/ lawn area; house built in 1947/ Ac [1]- sapling was retained by original owner [data source: owner No.77]/ vertical cavity/ dead wood- recommend arborist inspection.
77 Cliff Ave: front garden/adj. steps rear garden/ upper level adj. to pool	two trees s/s outcrops	10ag(i)/ 10ar(i)	Ceg [1] Ceg [1]	80-100+ 40-50+	6m 4m	5m 2m	good fair	varies: 4-5 [mainly 5]	low	restricted	T&BPO	terraced garden/lawns planted w. gen. natives; house built in 1946 [2X photos c.1946/7 [Haggerty, J.]/ current owner since 1973 [McMonnies, J., 2008 pers comm.]. Ceg [1]- front garden/ 7m HT

												photo taken c.1946 [old growth spec.]; native Ac/ Had seedlings/ regen. native ferns g/covers [incl. <i>Histiopteris Calochlaena</i> , <i>Lastreopsis</i> , <i>Lomandra</i> , <i>Dianella</i> spp.]; owner planted Ac sapling [4m HT] & <i>Acacia binervia</i> [6m HT] on pool terrace.
Refer to listing for 2 Calbina Road [Angophora costata group located in adjoining rear garden below scarp].												
81 Cliff Ave: front garden	single tree s/s outcrops	10ar(i)	Had [1]	20-30+	7m	3m	fair	varies: 4-5 [mainly 5]	low	restricted	T&BPO	terraced exotic garden; significant s/s outcrops; no native canopy; weeds; cultivated natives [Eucs./ rainforest spp.]; Had [1]- likely planted; remnant native ferns may be present.
rear garden/ upper level												
83 Cliff Ave: front garden/ adj. to right-of-way & bdy.No.87	tree group s/s scarp	10ag(i)/	Ac [1]	50-60+	14m	12m	fair	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	Ac[1]- ext. dead wood; remnant native tree group/understorey; significant s/s outcrops/ scarp; dom. exotics/ weeds [<i>Nephrolepis</i> , <i>Ligustrum</i> spp.]; Ac[1]- old growth multi-trunk specimen on upper scarp/ subject to bdy.survey; no access; native g/covers [<i>Dianella</i> , <i>Lomandra</i> , <i>Calochlaena</i> , <i>Adiantum</i> , <i>Pteridium</i> , <i>Histiopteris</i> , <i>Cyathea</i> spp.].
rear garden/ upper level rock outcrops	s/s outcrops remnant community	10ar(i)	Ac [1] Ceg [1] Cal Pu	80-100+ 40-50+ <5 up to 20-30+	10m 5m <1m up to 5-6m	15m 4m <1m varies	good good good/ regen. regrowth					
Note: Locally significant sandstone scarp extending along rear boundaries of 83-87 Cliff Avenue and 12-20 Calbina Road [& rear gardens of 22-44 Calbina Road].												
84 Cliff Ave: rear [lower] garden on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully]	s/s outcrops remnant community s/s scarp	10ar(i)	Al/ Er/ Bs	<10	up to 4m	<1m	good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	significant s/s outcrops/scarp; canopy trees [group] all gen. native planting [<i>Eucalyptus grandis</i> [dom.]/ <i>E.saligna</i> 1970s period]; regen./ saplings; dom. weeds; natural regen. [<i>Allocasuarina</i> , <i>Elaeocarpus</i> , <i>Polyscias</i> , <i>Pteridium</i> , <i>Acacia</i> spp.]; Pu regrowth; <i>Banksia integrifolia</i> , <i>B. serrata</i> , <i>Hakea</i> sp. likely cultivated origin.
Note: Locally significant sandstone scarp extending along rear boundaries of 76-96 & 100 Cliff Avenue.												
85 Cliff Ave: western garden/ adj. to house & steps to Nos.85-87	single tree s/s scarp s/s outcrops	10ag(i)	Ac [1]	50-60+	14m	16m	see notes	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	terraced exotic garden; significant s/s outcrops/ scarp; weeds; Ac[1]- vertical cavity/dead wood-recommend arborist inspection; native ferns [<i>Adiantum</i> sp.] also <i>Cyathea</i> sp.; Pu regrowth.
Note: Locally significant sandstone scarp extending along rear boundaries of 83-87 Cliff Avenue and 12-20 Calbina Road [& rear gardens of 22-44 Calbina Road].												
86 Cliff Ave: rear [lower] garden on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully]	s/s outcrops remnant community s/s scarp	10ar(i)	Ka [2]	20-30+	3-4m	4-5m	poor/ good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	significant s/s outcrops/scarp; canopy trees [group] all gen. native planting [<i>Eucalyptus grandis</i> [dom.]/ <i>E.saligna</i>] dom. weeds [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; natural regen. [incl. <i>Polyscias</i> , <i>Dianella</i> , <i>Grevillea</i> spp.]; Pu regrowth; <i>Banksia</i> , <i>Eriostemon</i> ,

Note: Locally significant sandstone scarp extending along rear boundaries of 76-96 & 100 Cliff Avenue.												Lomandra spp. likely cultivated origin.
87 Cliff Ave: rear garden/ upper level adj. to house [below scarp]	s/s scarp s/s outcrops remnant community	10ag(i)						varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	exotic/ landscaped garden; significant scarp/rock outcrops; weeds; no native canopy; remnant native ferns [<i>Todea</i> , <i>Histiopteris</i> , <i>Adiantum</i> spp.]; also <i>Dicksonia</i> sp. [cultivated].
Note: Locally significant sandstone scarp extending along rear boundaries of 83-87 Cliff Avenue and 12-20 Calbina Road [& rear gardens of 22-44 Calbina Road].												
88 Cliff Ave: rear [lower] garden on rock shelf/ scarp & bdy. to bushland reserve [Flat Rock Gully]	tree group remnant community s/s scarp s/s outcrops	10ar(i)	Be [2] Al [1] Ac [4]	30-40+ up to 10-20+ 30-50+	6-7m up to 6m 8-12m	4-5m up to 3m 3-10m	good/ fair good good[3]/ poor[1]	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	significant rock outcrops/ scarp; Ac[4]-remnant native group; dom. gen.native planting [<i>E.grandis</i> / <i>E.saligna</i>]; regen./ saplings; dense weed thicket [<i>Lantana</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> [dom.] spp.]; Pu regrowth; no access.
Note: Locally significant sandstone scarp extending along rear boundaries of 76-96 & 100 Cliff Avenue.												
Cliff Avenue [incl. Upper Cliff Avenue and Lower Cliff Avenue] - Road Reserves and Drainage Easements:											Survey Date: 4 Aug-8 Aug 2008	
Upper Cliff Avenue cul-de-sac: verge opp. No.1 [adj. to walking track/ entry to Northbridge Park]	single tree	10ag(i)	Ac [1]	60-80+	12m	16m	good	varies: 3-5	medium-low	fragmented	SEPP 19 /T&BPO SREP 23	verge/ subject to bdy. survey; native understorey [incl. <i>Hakea</i> , <i>Pteridium</i> , <i>Calochlaena</i> , <i>Adiantum</i> spp.]; generic native planting [<i>Banksia integrifolia</i> , <i>B. ericifolia</i> , <i>Cyathea</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Note: For Northbridge Park listings [incl. Northbridge Golf Course] - refer to Sailors Bay Road - Public Reserves [incl. Golf Course].												
steep embankment between Upper & Lower Cliff Ave/ lower slope: Northbridge Park to opp. No.24 Lower Cliff Ave.	s/s outcrops remnant community	10ag(i)	Cgu [dom.] Epip Cal/ Ceg/ Er Al/ Gf/ Pu Aba	up to 60-80+ up to 30-60+ up to 30-50+ up to 30-50+ up to 10-30+	up to 12-15m up to 12-15m up to 6-8m up to 6-8m 1-3m	up to 12m varies up to 4-6m up to 6-7m 1-2m	good good good good good/ saplings	varies: 1-2	high	fragmented	SEPP 19 /T&BPO SREP 23	remnant community on steep road-side embankment/ rock outcrops; fragmented native canopy/ high bio-diversity [incl. <i>Leonema</i> , <i>Bauera</i> , <i>Gleichenia</i> spp.]; adj. core bushland [Northbridge Park].
Note: For Northbridge Park listings [incl. Northbridge Golf Course] - refer to Sailors Bay Road - Public Reserves [incl. Golf Course].												
upper slope: opp. Nos.1-7			Esi [dom.] Ac Ceg/ Al/ Er	up to 60-80+ up to 60-80+ up to 30-40+	up to 12-15m up to 12-15m up to 6-8m	varies varies varies	fair/ good good good	varies: 1-5 [mainly 3-4]	high-low			fragmented native canopy/understorey [incl. <i>Lambertia</i> , <i>Notelaea</i> , <i>Grevillea</i> , <i>Hakea</i> , <i>Dodonaea</i> , <i>Dianella</i> spp.].
upper slope: opp. Nos.7-11	s/s outcrops tree group		Esi [1] Ceg/ Al Esi [1] Esi [5]	40-50+ 30-40+ 40-50+ 20-40+	12m 6-8m 12m 9-12m	16m varies 16m 8-14m	good good v.poor fair[3]/ poor[2]	varies: 3-5 [mainly 5]	medium-low			steep slope/ rock outcrops; remnant native understorey [incl. <i>Omalanthus</i> , <i>Acacia</i> , <i>Imperata</i> spp.]; Pu regrowth; Esi [1]/ v.poor- 40% die-back/ dead wood; dom. weeds.
upper slope: opp. Nos.13-31	s/s outcrops tree group		Ac [1] Ceg [5] Fru [2] Gf/ Pu	40-50+ 30-60+ up to 20-30+ up to 20-30+	15m 6-8m 6m up to 5-6m	10m 4-7m 7m varies	good good good regrowth	varies: 4-5 [mainly 5]	low			high level of disturbance/modification; Ac [1]- only remaining native canopy sp. in section; dead trees; Ceg/Gf/Pu-remnant regrowth; up to 100%exotics/ weed cover [incl. <i>Ligustrum</i> , <i>Lantana</i> , <i>Eriobotrya</i> , <i>Nerium</i> , <i>Cardiospermum</i> , <i>Tradescantia</i> spp]; native <i>Dianella</i> sp.
lower slope: opp.Nos.24-30	s/s outcrops		Pu [dom.]	up to 30-50+	up to 6-8m	up to 6-7m	regrowth	varies: 3-5	medium-low			dom. weeds.
upper slope: opp.No.35/	single tree		Ac [1]	80-100+	12m	20m	good	[mainly 5]				rock shelf on significant scarp; Ac[1]-

rock shelf												old growth specimen; remnant native understorey [<i>Omalanthus</i> , <i>Pteridium</i> spp.]; dom. exotic/ weeds.
upper slope: opp.Nos.37-41 rock shelf	s/s outcrops remnant community		Ac	<5	<1m	<1m	regen.					controlled broad area burn [2007]; good natural regen. [<i>Acacia</i> , <i>Dianella</i> , <i>Eustrephus</i> , <i>Polyscias</i> , <i>Calochlaena</i> , <i>Oplismenus</i> spp.]; weeds [<i>Erythrina</i> , <i>Cotoneaster</i> , <i>Lantana</i> spp.].
lower slope/ scarp: opp.Nos.30-40 opp. No.34	s/s scarp s/s outcrops remnant community		Ac [7] Ac [7] Epip [1] Al [1] Cal/ Ceg Ka/ Al/ Er	60-80+ 30-50+ 80-100+ 20-30+ up to 20-30+ up to 20-30+	12-16m 12-16m 12m 7m up to 5-7m up to 5-7m	8-12m 6-10m 16m 5m up to 2m 1-2m	good good good good good/ regen. good/ regen.	varies: 1-3 [mainly 1-2]	high-medium	contiguous		Ac [14]- significant contiguous group; remnant native community assoc.w. significant scarp/ overhang & rock outcrops; high biodiversity/good regen. area under bush regen. strategy; Epip [1]- old growth spec./some dead wood; native understorey [<i>Grevillea</i> , <i>Eustrephus</i> , <i>Dodonaea</i> , <i>Polyscias</i> , <i>Epacris</i> , <i>Smilax</i> , <i>Histiopteris</i> spp.].
slope/ embankment: opp.No.43 opp.No.45	two trees		Epip [1] Epip [1]	60-80+ 15-20+	12m 7m	12m 10m	fair fair	varies: 4-5 [mainly 5]	low	fragmented		Epip[1] 60-80+ lopped/termite damage basal cavity; Epip[1] 15-20+ possibly planted; native regrowth [<i>Glochidion</i> , <i>Omalanthus</i> , <i>Pteridium</i> spp.]; generic cultivated natives [<i>Callistemon</i> , <i>Hakea</i> spp.]; weeds [<i>Ligustrum</i> , <i>Asparagus</i> , <i>Acetosa</i> , <i>Nephrolepis</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
pedestrian right-of-way [Lane W55] between 41 & 43 Cliff Avenue/ upper level adj. to steps & Ulric Lane	s/s outcrops s/s scarp remnant community	10ar(i)	Epip [1] Ac [2] Ceg [2] Er/ Pu Ceg/ Er	50-60+ 20-40+ 60-80+ up to 30-40+ <5	12m 6-9m 4-6m up to 4-7m <1.5m	12m 6m 2-5m 2-7m <1m	good good good fair/ good good/ regen.	varies: 2-5	high-low	fragmented	T&BPO	steep slope/ remnant community on significant rock outcrops/ scarp; part of larger contiguous group; native understorey [incl. <i>Banksia spinulosa</i> , <i>Smilax</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Doodia</i> , <i>Calochlaena</i> , <i>Adiantum</i> spp.]; dom. weeds [<i>Lantana</i> , <i>Phoenix</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-47A Upper Cliff Avenue.												
												Survey Date: 3 Nov-7 Nov 2008
drainage reserve between 44 Lower Cliff Ave & 50 Cliff Ave/ upper level [adj. to roadway]	tree group s/s outcrops	10ag(i)	Al [1] Cal [2] Gf [1]	40-50+ 40-50+ 15-20+	8m 5-7m 10m	8m 3-4m 4m	fair good/ regrowth good	5	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	steep gully/ piped drainage channel & natural creek-line/ s/s outcrops; native <i>Cyathea</i> sp./ Pu regrowth; exotics/ weeds dom.[<i>Cinnamomum</i> , <i>Ligustrum</i> <i>Phoenix</i> , <i>Nephrolepis</i> spp.]; Cal [2]- possibly much older age structure; no access to lower level/ scarp.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
												Survey Date: 4 Aug-8 Aug 2008
Cliff Avenue: road reserve/	tree group	10ar(i)	Pu [dom.]	up to 40-50+	up to 5-6m	varies	regrowth	5	low	restricted	SEPP 19/	public reserve [memorial park]; lawns/

public park cnr. Strathallen Ave [adj. to No.68 Cliff Ave & Suspension Bridge- NE pylon]	s/s scarp											T&BPO SREP 23	gardens w. cultivated exotics/ natives [Ceg/ Er]; dense weed thicket/ upper slope/ scarp [<i>Ligustrum</i> , <i>Cotoneaster</i> spp.]; no native canopy; some native regen. [<i>Polyscias</i> , <i>Omalanthus</i> spp.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending along rear boundaries of 56-68, 76-96 & 100 Cliff Avenue.													
Cliff Avenue: road reserve/ public park cnr. Strathallen Ave [adj. to No.76 Cliff Ave & Suspension Bridge- NW pylon]	tree group s/s scarp s/s outcrops remnant community	10ar(i)	Pu [dom.] Al/ Ceg Bs/ Er/ Fru	up to 40-50+ up to 50-60+ up to 30-40+	up to 8-9m up to 6-8m up to 6-8m	varies varies varies	regrowth varies good	varies: 2-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO	public reserve; cultivated exotics/ natives; dense weed thicket upper scarp [<i>Ligustrum</i> sp]; area under bush regeneration; native understorey [incl. <i>Epacris</i> , <i>Gahnia</i> , <i>Notelaea</i> , <i>Smilax</i> , <i>Gleichenia</i> , <i>Histiopteris</i> , <i>Adiantum</i> <i>hispidulum</i> , <i>Doodia</i> , <i>Dianella</i> spp.]	
Locally significant sandstone scarp extending along rear boundaries of 56-68, 76-96 & 100 Cliff Avenue.													
drainage easement [Lane W68] Mullholland Lane/ lower section between 81-85A Cliff Ave [below scarp]	s/s outcrops s/s scarp tree group	10ag(i)	Ceg [1] Pu	40-50+ up to 40-50+	8m up to 3-6m	5m varies	good lopped	varies: 4-5 [mainly 5]	low	restricted	T&BPO	Ceg [1]- adj. to bdy.No.85 Cliff Ave; significant rock outcrops/ scarp; dom. weeds; no native canopy; <i>Cyathea</i> / <i>Dicksonia</i> spp. [cultivated origin].	
Cliff Avenue [incl. Upper Cliff Avenue and Lower Cliff Avenue] - Public Reserves:												Survey Date: 3 Nov-7 Nov 2008	
Flat Rock Gully/ Tunks Park (Lower Cliff Avenue - Flat Rock Gully Group) Flat Rock Gully is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).													
2-16 Lower Cliff Ave: undeveloped sites/ steep slope [bushland adj. Tunks Park]	remnant community s/s outcrops	10ag(i)	Ac [dom.] Epip/ Esi Ceg/ Al/ Had Abin Gf/ Pu	up to 80-100+ av.60-80+ up to 20-30+ up to 60-80+ up to 20-30+	up to 12-16m av.10-14m up to 6-7m up to 8-10m up to 6-8m	varies varies up to 3-5m up to 15m up to 5-6m	varies varies good varies good	varies: 3-5	medium-low	contiguous	SEPP 19/ T&BPO SREP 23	fragmented and modified bushland [contiguous undeveloped sites]/ part of bushland reserve; native understorey present/ good regen. incl. <i>Grevillea</i> , <i>Elaeocarpus</i> , <i>Polyscias</i> , <i>Epacris</i> , <i>Acacia</i> , <i>Dianella</i> spp.; dom. weeds incl. <i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Cardiospermum</i> spp.]; Pu regrowth; also gen. natives planted along verge.	
18-22 Lower Cliff Ave: undeveloped sites/ steep slope [bushland adj. Tunks Park]	tree group s/s outcrops		Ac [dom.] Ceg/ Pu	up to 80-100+ up to 30-40+	up to 12-16m up to 6-7m	varies up to 3-6m	varies good	varies: 4-5 [mainly 5]	low			steep slope/ gully; rock outcrops; remnant native spp.; Pu regrowth [dom.]; dense weed thicket av. 80- 100% cover [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Lantana</i> , <i>Erythrina</i> spp.].	
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .													
28 Lower Cliff Ave: undeveloped site/ steep slope [bushland adj. Tunks Park]/ upper & mid-slope adj. to bdy. No.26B	tree group s/s outcrops	10ag(i)	Ceg [1] Ceg [3] Cal [1] Ac [1]	80-100+ up to 40-50+ 40-50+ 50-60+	7m 6-7m 4m 14m	7m 2-4m 4m 10m	good good good/ regrowth v.poor	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	highly fragmented &modified bushland on steep slope [undeveloped site]; s/s outcrops; dom. weeds av. 90-100% cover incl. <i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Lantana</i> , <i>Nephrolepis</i> spp.]; Ceg [1]- old growth spec./ adj. to roadway; Ceg [3]/ Cal [1]- possibly much older age structure; Ac[1]/ v.poor- ext. dead	
lower slope			Ac [1] Epip [1]	60-80+ 40-50+	20m 15m	15m 12m	good fair						

												wood/adventitious growth; native ferns incl. <i>Calochlaena</i> , <i>Doodia</i> & <i>Cyathea</i> spp.; Pu regrowth; also generic native planting [<i>Acacia elata</i> , <i>Dicksonia</i> spp.]
Note: This listing contains known <i>Phytophthora</i> sp. Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
32 Lower Cliff Ave: undeveloped site/ steep slope [bushland adj. Tunks Park]	tree group s/s outcrops	10ag(i)	Ac [2] Ac [4] Ceg/ Er Pu [dom.]	60-80+ up to 30-40+ up to 20-30+ up to 30-40+	18-20m up to 12-18m up to 4-5m up to 6-8m	varies varies 1-3m varies	good good good/ regrowth good/ regrowth	varies: 3-5 [mainly 5]	medium-low	contiguous	SEPP 19/ T&BPO SREP 23	fragmented and modified bushland on very steep slope [undeveloped site]; rock outcrops; dense weed thicket at sub-canopy level [<i>Ligustrum</i> , <i>Lantana</i> , <i>Olea</i> , <i>Nephrolepis</i> spp.]; remnant natives- <i>Grevillea</i> , <i>Calochlaena</i> spp.; Pu regrowth [dom.]; generic native/ rainforest planting- <i>Acmena smithii</i> / likely planted; <i>Cyathea</i> spp.[cultivated origin]; no access to lower slope.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
bushland reserve: adj. to No.83 Cliff Ave right-of-way	tree group s/s outcrops s/s scarp	10ag(i)	Fru [1] Ceg/ Cal Pu/ Gf	40-50+ up to 40-50+ up to 30-40+	7m up to 6-8m up to 6-8m	10m varies varies	good good good	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO	highly disturbed & modified bushland; rock shelf adj. to creek; significant scarp/ rock outcrops; mixed generic native planting [<i>Eucs.</i> / <i>Casuarina</i> spp. & <i>Polyscias elegans</i> , <i>Ceratopetalum apetalum</i>]; <i>Cyathea</i> sp.[group]; dom. exotics/ weeds; remnant natives [incl. <i>Cissus hypoglaucha</i> , <i>Calochlaena</i> , <i>Gleichenia</i> , <i>Dianella</i> , <i>Polyscias</i> spp.]; <i>Ceratopetalum apetalum</i> below scarp.
adj. to Cliff Ave cul-de-sac & No.100 Cliff Ave [Flat Rock Gully]	remnant community		Ac [1] Ac [1]	60-80+ 40-50+	15m 14m	16m 9m	good fair					
Refer to Cliff Avenue - Road Reserves and Drainage Easements: for two public reserves adj. to Suspension Bridge [northern side].												
Coolawin Road - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
NOTE: Access to some foreshore properties was either restricted or denied. The following data set is currently incomplete for properties Nos. 35-47, 49 & 59-65 Coolawin Road. Access to very steep foreshore slopes was prohibitive in some instances. All listings are subject to boundary survey.												
2 Coolawin Rd: rear garden	single tree s/s scarp s/s outcrops	10ag(i)	Fru [1]	unknown	<1m	3m	regrowth	5	low	isolated	T&BPO SREP 23	Fru [1]- heavily lopped/ regrowth on significant scarp/ rock outcrops; dom. weeds.
9 Coolawin Rd: front garden/ adj. to front bdy.	single tree	10ar(i)	Fru [1]	50-60+	8m	10m	good	5	low	isolated	T&BPO	Fru [1]- heavily under-pruned; exotic garden.
10B Coolawin Rd: rear [western] garden/ adj. to Weemala Rd.	single tree	10ar(i)	Gf [1]	60-80+	7m	10m	good	5	low	isolated	T&BPO	exotic garden; Gf [1]- some dead wood/ pruned for adj. overhead powerlines.
18 Coolawin Rd: front garden/ adj. to Aubrey Rd frontage.	single tree	10ar(i)	Era [1]	30-40+	12m	12m	good	5	low	restricted	T&BPO	garden/ embankment; Era[1]- possibly planted/ competition w. cultivated gen. native [<i>Eucalyptus microcorys</i>].
												Survey Date: 20 Apr-24 Apr 2009
19 Coolawin Rd: rear garden/ lower slope/ rock outcrops	single tree s/s outcrops	10ag(i)	Ac [1]	60-80+	9m	9m	fair	5	low	fragmented	T&BPO SREP 23	terraced exotic garden; significant s/s scarp/ outcrops; drainage line; Ac [1]-

s/s scarp											on rock outcrops; Pu regrowth; dom. weeds [Asparagus sp.].	
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
21 Coolawin Rd: rear garden/ lower steep slope	tree group s/s outcrops remnant community	10ag(i)	Ac [1] Cgu [1] Cgu [1] Ceg/ Er Pu/ Gf	60-80+ 60-80+ 40-50+ up to 20-30+ up to 20-30+	12m 12m 8m up to 2-4m up to 4-6m	12m 8m 8m varies varies	good good poor good/ lopped good/ regrowth	varies: 3-5 [mainly 5]	medium-low	fragmented	T&BPO SREP 23	exotic upper garden; significant rock outcrops; Pu regrowth [dom.]; dead canopy tree; Cgu [1]/ poor- ext. dead wood; Ceg/ Er- lopped/regrowth; remnant native understorey [incl. Pandorea, Crowea, Pteridium spp.]; dom. weeds [Asparagus, Nephrolepis Olea spp.]; generic native planting [Banksia integrifolia].
23 Coolawin Rd: rear garden/ lower steep embankment	s/s scarp s/s outcrops tree group remnant community	10ag(i)	Cgu [1] Ceg/ Al/ Er Ceg/ Er	30-40+ up to 30-40+ <5-10	8m up to 5-7m <2m	5m up to 3-5m <1m	v.poor good/ fair good/ regen.	varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	exotic upper garden; significant s/s scarp/rock outcrops; Cgu[1]-ext. dead wood; Acacia terminalis/ A. floribunda & Banksia integrifolia - cultivated; dom. weeds [Lonicera, Nephrolepis spp.].
rock outcrops adj. to boatshed								varies: 3-5 [mainly 5]	medium-low	fragmented		remnant native understorey [incl. Pteridium, Hardenbergia spp.]; also Tristaniopsis/ Leptospermum spp.- likely cultivated origin; listings subject to boundary survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
25 Coolawin Rd: rear garden/ upper & lower scarp/ mid-slope	s/s scarp s/s outcrops tree group	10ar(i)/						5	low	restricted	adj.SEPP 19 /T&BPO SREP 23	terraced exotic garden; significant s/s scarp/rock outcrops; dom.weeds [incl. Tradescantia, Ligustrum spp.];
lower steep slope/ rock outcrops	remnant community	10ag(i)	Ac [1] Epip [1] Epip [1] Ac [3] Ac [1] Ceg/ Al/ Er Pu	80-100+ 50-60+ 30-40+ 40-50+ 30-40+ up to 20-40+ up to 30-40+	14m 12m 8m 8-12m 8m up to 4-6m up to 5-6m	25m 8m 7m 6-8m 5m varies up to 5-6m	good fair good good[2]/ fair[1] good good/ fair good/ regrowth	varies: 1-5 [mainly 2-3]	high-low	fragmented		Ac [1]- old growth magnificent spec./ 800mm diam. base; Epip[1]- ext. dead wood/ basal cavity; native understorey [incl. Notelaea, Pteridium, Lomandra, Crowea, Pandorea, Smilax spp.]; dom. weeds [Lantana, Nephrolepis, Asparagus, Cotoneaster spp.].
rock outcrops/ scarp to tidal platform			Ac [1] Ac [1]	?100-150+ ?100-150+	22m 9m	20m 10m	good fair					Ac [2]- old growth/ multi-trunk specs. 900-1200mm diam. bases; Ac/ fair-ext. dead wood.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
27 Coolawin Rd: rear garden/ upper level to mid-slope	s/s outcrops tree group	10ag(i)	Ac [1] Had [1]	80-100+ 20-30+	16m 5m	20m 3m	good good	5	low	restricted	adj.SEPP 19 /T&BPO SREP 23	exotic garden; significant s/s outcrops; Ac [1]- old growth spec./ some dead wood; Had[1]- possibly planted; Ac X2 dead trees [50-80+]/ Phytophthora sp. may be present; dom. weeds [incl. Nephrolepis, Tradescantia spp.].

lower steep slope/ rock outcrops	remnant community		Ac [1] Ac [2] Ple [3] Ceg [3] Er [2] Pu [dom.]	80-100+ 50-60+ unknown up to 60-80+ up to 30-40+ up to 30-50+	15m 10-12m 2-3m up to 5-6m up to 5-6m up to 5-6m	12m 7-10m 2m up to 5-6m up to 2m up to 5-6m	good poor/ v.poor fair good good/ fair good/ regrowth	varies: 2-5 [mainly 5]	high-low	fragmented		Ac [1]- adj. to reserve bdy./ old growth spec./ 700mm diam. base; Ac [2]- ext. crown die-back/ dead wood; Ple [3]- <i>Persoonia levis</i> /possibly v. old specs.; Ceg [3]/ group- multi-stemmed; native understorey/good regen. [incl. <i>Acacia ulicifolia</i> , <i>Pultenaea daphnoides</i> , <i>Pomaderris</i> , <i>Xanthorrhoea</i> , <i>Grevillea</i> , <i>Dodonaea</i> , <i>Lepidosperma</i> , <i>Dianella</i> , <i>Lomandra</i> , <i>Entolasia</i> , <i>Smilax</i> spp.];
lower slope adj. to tidal zone			Bint [1] Ac [1] Bs/ Er	15-20+ 50-60+ <5-10	4m 8m <1m	2m 9m <1m	good good good/ regen.					dom. weeds; some cultivated natives. <i>Banksia integrifolia</i> - possibly remnant native component.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
29 Coolawin Rd: rear garden/ lower steep embankment	s/s outcrops tree group remnant community	10ag(i)	Ple [1] Ple [1] Pu/ Gf/ Er	unknown unknown up to 10-20+	3m 1m up to 3-5m	2m 2m up to 2-3m	good good good/ regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO SREP 23	significant s/s outcrops; dom. exotics/ weeds [incl. <i>Strelitzia</i> , <i>Cotoneaster</i> , <i>Asparagus</i> spp.]; no remnant native canopy/ dead standing trees; native understorey [<i>Pomaderris</i> , <i>Polyscias</i> , <i>Lomandra</i> , <i>Dianella</i> spp.].
lower slope adj. to boathouse & tidal zone			Ac [1] Ac [1] Esi [1]	80-100+ unknown 30-40+	7m 2m 9m	10m 3m 7m	v.poor lopped/ regrowth v.poor					Ac [1]-old growth spec./ ext. die-back; Esi [1]- 90% crown die-back/ vigorous epicormic growth; listings subject to boundary survey.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
31 Coolawin Rd: rear garden/ steep embankment	s/s outcrops s/s scarp remnant community	10ag(i)	Er	unknown	<1m	<1m	regrowth	varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	significant rock outcrops; recent ext. clearing; exotics/weeds [<i>Erythrina</i> sp.]; native <i>Elaeocarpus/ Omalanthus</i> spp. no access; subject to bdy. survey; cultivated natives- Ac X2 [immature] & <i>Corymbia maculata</i> in front garden.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
41 Coolawin Rd: front garden DATA INCOMPLETE	single tree	10ar(i)	Ac [1]	60-80+	8m	12m	good	5	low	isolated	T&BPO SREP 23	exotic garden/ lawn; no access.
DATA INCOMPLETE [Nos.35-47 Coolawin Rd]												
49 Coolawin Rd: rear garden/ upper & mid terraces	tree group	10ag(i)	Ac [5] Ebo [1] Ebo [1] Ebo [1]	50-80+ 60-80+ 50-60+ 20-30+	8-15m 16m 16m 16m	7-10m 12m 12m 9m	good/ fair see notes good good	5	low	fragmented	T&BPO SREP 23	exotic garden/lawns; significant native tree group; Ebo [1]/ 60-80yrs- some dead wood/ insect damage & basal cavity; Pu regrowth; cultivated gen.

			Bint [1]	40-50+	12m	10m	good					natives [incl. <i>Corymbia citriodora</i>]; Bint [1]- possibly planted; no access.
51 Coolawin Rd: rear garden/ lower terrace adj. to harbour [linked by narrow easement]	tree group s/s outcrops	10ag(i)	Fru [1] Fru [2] Ebo [1]	80-100+ 60-80+ 30-40+	7m 5-6m 7m	10m 6-9m 8m	good good fair/ regrowth	5	low	fragmented	T&BPO SREP 23	exotic terraced garden/ lawns; rock outcrops; Fru [1]- old growth, multi- trunked spec./on high tide line; Fru [2]- possibly single tree/ multiple stemmed on rock outcrops; Ebo [1]- damaged crown/ regrowth; possibly planted; dom.weeds [<i>Cotoneaster</i> , <i>Asparagus</i> spp.]; Pu regrowth; cultivated natives [incl. <i>Lophostemon</i> sp.]; no access.
53 Coolawin Rd: rear garden/ upper scarp/ terraces	s/s scarp s/s outcrops	10ar(i)/						5	low	restricted	T&BPO SREP 23	exotic terraced garden/ significant s/s scarp & rock outcrops; <i>Cyathea</i> / <i>Pteris</i> spp. [likely cultivated origin].
mid-level lawn terrace	tree group	10ag(i)	Ac [1]	60-80+	15m	12m	good					remnant native ferns [<i>Todea</i> sp.]; cultivated native rainforest spp. [incl. <i>Brachychiton</i> , <i>Macadamia</i> spp.]; weeds [<i>Nephrolepis</i> / <i>Asparagus</i> spp.].
lower garden terrace/ lawn adj. to shoreline. Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.			Er [2]	30-40+	5-7m	2-4m	good					Er [2]- possibly planted; exotics/ weeds [incl. <i>Salix</i> sp.].
Survey Date: 27 Apr-7 May 2009												
55 Coolawin Rd: rear garden/ mid-level terraces [below scarp]	s/s scarp s/s outcrops tree group	10ag(i)	Ac [1] Ac [1] Ceg [1]	80-100+ 80-100+ 50-60+	16m 18m 7m	16m 18m 4m	good good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO SREP 23	exotic terraced garden/ significant s/s scarp & rock outcrops; Ac [2]- old growth specimens/remove <i>Hedera</i> sp. on trunk [Ac X1/ upper level]; remnant native ferns [<i>Calochlaena</i> / <i>Histiopteris</i> <i>Todea</i> spp.]; <i>Cyathea</i> sp. [cultivated origin]; dom.weeds [<i>Phyllostachys</i> sp.]
lower terrace & scarp to high water mark [adj. to easement Twemlow Lane]			Fru [1] Bint [2] Gf [1]	?100-150+ 20-30+ 50-60+	7m 8-10m 7m	15m 4m 8m	good good good					Fru [1]- old growth/multi-trunked spec. on lower scarp & extending over bdy. to easement; Bint [2]-possibly planted; Pu regrowth; dom. weeds [<i>Erythrina</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Tradescantia</i> spp.]; subject to bdy. survey/ adj. to drainage easement.
57 Coolawin Rd: rear garden/ mid-level terrace Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.	single tree s/s scarp s/s outcrops	10ag(i)	Ac [1]	80-100+	16m	16m	good	5	low	fragmented	T&BPO SREP 23	exotic terraced garden; Ac [1]- old growth spec./ adj. to easement bdy.; no access onto property.

DATA INCOMPLETE [Nos.59-65 Coolawin Rd]															
67 Coolawin Rd: front garden	single tree	10ar(i)/	Ebo [1]	15-20+	10m	9m	good	5	low	isolated	T&BPO SREP 23	exotic garden/ lawn; Ebo [1]- likely cultivated/ possibly self-sown; generic natives [<i>Corymbia citriodora</i>].			
rear garden/ mid-slope	s/s scarp s/s outcrops tree group	10ag(i)	Fru [1] Ceg [dom.] Pu [dom.] Ple [1]	60-80+ up to 60-80+ up to 30-40+ unknown	10m up to 6m up to 6-8m 3m	15m up to 2m up to 6-7m 2m	good good good/ regrowth good	varies: 4-5 [mainly 5]	low	restricted		significant s/s scarp & rock outcrops; Fru [1]/ no other native canopy spp.; Ceg/ Pu [dom.]/ sub-canopy; remnant natives [<i>Lomandra/ Smilax</i> spp.]; dom. weeds [incl. <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Ochna</i> spp.]; AcX1- dead tree; listings subject to bdy. survey; no access.			
lower slope to harbour/ boatshed Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.															
69 Coolawin Rd: rear garden/ upper terraces to mid-slope	s/s scarp s/s outcrops tree group	10ag(i)	Ac [1] Ac [1] Ac [1]	60-80+ 20-30+ 10-20+	8m 6m 6m	9m 2m 3m	good good good	varies: 3-5 [mainly 5]	medium-low	restricted		T&BPO SREP 23	exotic terraced garden/ significant s/s scarp & rock outcrops; dom. exotics/ weeds [<i>Chrysanthemoides</i> , <i>Ochna</i> , <i>Cotoneaster</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; native understorey/ good native regen. [incl. <i>Pultenaea daphnoides</i> , <i>Grevillea</i> , <i>Lepidosperma</i> , <i>Dodonaea</i> , <i>Lomandra</i> , <i>Smilax</i> spp.].		
lower slope/ rock outcrops	remnant community		Bint [1] Cgu [1] Ceg/ Er	15-20+ 30-40+ <5-10	3m 7m up to 2m	2m 4m <1m	good poor good/ regen.								
steep lower slope to tidal zone			Ceg [4+] Fru/ Casg	up to 60-80+ <5	up to 5-7m <1.5m	up to 5-7m <1m	good regen./ saplings								
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.															
71 Coolawin Rd: rear garden/ upper slope/ rock outcrops to mid-slope	s/s scarp s/s outcrops tree group remnant	10ag(i)	Gf [1] Ac [1] Ceg/ Er	80-100+ 60-80+ up to 40-50+	7m 9m up to 3-4m	14m 12m up to 2m	good good good	varies: 3-5 [mainly 5]	medium-low	fragmented	T&BPO SREP 23	exotic garden/ significant s/s scarp & rock outcrops; Gf [1]-old growth spec. on rock shelf; natives [<i>Xanthorrhoea</i> sp.]; weeds [<i>Nephrolepis</i> sp.].			
lower steep slope/ rock outcrops	community		Ac [3] Ac [2] Cgu [1] Esi [2] Al [2]	60-80+ 40-50+ 30-40+ 20-40+ 20-40+	10-12m 9m 8m 8-10m 3-7m	12-14m 4m 5m 8-12m 3-7m	good good fair good						varies: 2-5 [mainly 2-3]	high-low	remnant native canopy & understorey [incl. <i>Grevillea linearifolia</i> , <i>Pultenaea</i> , <i>Pandorea</i> , <i>Dianella</i> , <i>Xanthorrhoea</i> spp.]; Pu regrowth; listings subject to bdy. survey; no access onto property.
rock outcrops/ adj. to tidal zone			Casg [2]	30-40+	9-10m	3-4m	good								
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.															
73 Coolawin Rd: rear garden/ upper level [terrace]	s/s scarp s/s outcrops	10ag(i)	Ac [1] Ceg [2]	80-100+ up to 60-80+	9m 2-3m	16m 2m	good good	5	low	fragmented	T&BPO SREP 23	exotic garden/ significant s/s scarp & rock outcrops; highly modified/ dom.			

	tree group											weeds; no access; Ac [1]- old growth spec. on rock shelf/ some dead wood.
mid-slope to lower slope [adj. to bdy. No.75]			Ac [1] Epip [1]	60-80+ 40-50+	14m 9m	12m 12m	good poor					Ac [1]- some dead wood; Epip [1]- ext. die-back/insect damage; Pu regrowth; gen. native planting [<i>Grevillea robusta</i> <i>Brachychiton</i> sp./ Bint <10yrs.]; dom. weeds [incl. <i>Senna</i> , <i>Asparagus</i> sp].
lower steep slope/ terraces	remnant community		Ac [1] Ceg [dom.] Pu [dom.]	60-80+ up to 60-80+ up to 30-40+	15m up to 5-6m up to 5-6m	16m up to 3-5m up to 5-6m	good good good/ regrowth	varies: 3-5 [mainly 5]	medium-low			Ceg [group]/ multi-stemmed specs. [incl. possibly old growth trees]; native Ac [dom.] canopy group along lower slope/ scarp [see listings Nos.71-75]; Ac [1]- old growth spec.; Ac/ Esi [fair]- dead wood; native understorey [incl. <i>Pultenaea daphnoides</i> , <i>Pittosporum revolutum</i> , <i>Grevillea linearifolia</i> , <i>Crocea</i> , <i>Lomandra</i> spp.]; listings subject to boundary survey.
scarp to tidal zone			Ac [1] Ac [1] Ac [1] Esi [1] Bint Al/ Ceg/ Er	80-100+ 60-80+ 30-40+ 20-30+ up to 20-30+ up to 10-15	16m 9m 7m 6m up to 7-8m up to 2m	16m 8m 5m 7m varies up to 2m	good good fair fair good good/ regen.	varies: 2-5	high-low			
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
75 Coolawin Rd: rear garden/ upper terrace	s/s outcrops tree group	10ag(i)	Gf [1] Ceg [2]	60-80+ 30-60+	6m 2-3m	9m 2m	good good/ lopped	varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	exotic garden/ significant s/s scarp & rock outcrops; intermittent spring; site
mid-slope to lower slope			Ac [2] Gf/ Er	80-100+ up to 10-20+	16m up to 2-3m	16-18m varies	good good	varies: 3-5	medium-low	fragmented		highly modified/ house built 1937-38; existing owner confirmed ext. native planting over 18 yrs [incl. Ac/ Bs/ Had/ Bint <10yrs]; Epil X1-cultivated; Ac [2]- old growth specs./ 600-900mm diam. bases; Ceg [13+] significant group/ multi-stemmed specs. [incl. possibly old growth trees]; Ac [2]/ fair- crown damage/dead wood; remnant native understorey [<i>Omalanthus</i> , <i>Notelaea</i> , <i>Davallia</i> , <i>Dianella</i> , <i>Smilax</i> , <i>Eustrephus</i> <i>Stephania</i> spp.].
lower steep slope/ scarp to tidal zone	s/s scarp remnant community		Ceg [13+] Ac [2] Ac [2]	up to 40-80+ 40-50+ 20-40+	up to 4-7m 9-10m 6-8m	up to 2-3m 5-7m 2m	good good fair					
Notes: Eha X2 [10-15 yrs.] on public verge/ adj. to No.75 - cultivated origin. Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.												
77 Coolawin Rd: rear garden/ mid- to lower steep slope, terraces & rock outcrops	s/s scarp s/s outcrops tree group	10ag(i)	Epip [1] Ceg Er	?100-150+ up to 60-80+ up to 40-50+	9m up to 5-6m up to 6-7m	14m up to 5-6m up to 4m	fair/ lopped good good	varies: 3-5 [mainly 5]	medium-low	fragmented	T&BPO SREP 23	exotic terraced garden/ significant s/s scarp & rock outcrops; Epip [1]- old growth spec. on rock shelf/ massive base/ die-back & epicormic growth; also dead/lopped Epip X1 [adj.]; native ferns [<i>Blechnum</i> , <i>Calochlaena</i> , <i>Pteris</i> , <i>Doodia</i> spp.]; <i>Cyathea</i> sp.[cultivated].
lower terrace	remnant		Ac [2]	20-30+	7-8m	5-6m	good					Ac [1]/ poor- ext. dead wood; native

rock outcrops to tidal zone/ beach Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.	community		Ac [1] Bint	60-80+ <5-10	8m <2m	8m <1m	poor good/ regen.					understorey [<i>Grevillea</i> , <i>Pultenaea</i> , <i>Dianella</i> spp.]; Pu regrowth; dom. weeds [<i>Phyllostachys</i> sp.]; no access; listings subject to boundary survey.
79 Coolawin Rd: rear garden/ upper terraces & scarp mid-slope	s/s scarp s/s outcrops tree group	10ag(i)	Fru [2] Fru [1] Er [1] Er [1] Pu [dom.] Ac/ As/ Er	?100-150+ 40-50+ 60-80+ 15-20+ up to 60-80+ <10-15	12m 8m 8m 7m up to 9m up to 3-6m	18m [total] 9m 3m 3m up to 4-7m varies	good good v.poor good good/ regrowth good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO SREP 23	exotic terraced garden/ significant s/s scarp & rock outcrops; intermittent watercourse w. large boulders; highly modified/ weeds; Fru [2]+[1] possibly single old growth spec.; Er [1]/ v.poor-90% crown die-back/ basal regrowth. Ac/ As/ Er- immature [likely planted].
lower steep slope/ rock outcrops & scarp to shoreline lower scarp to tidal zone Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> . Locally significant sandstone scarp extending through rear gardens of 19, 23-47 and 53-79 Coolawin Road.	remnant community		Ac [2] Ac [1] Ac [1] Epip [1] Gf [1] Ac Fru [1]	40-50+ unknown 20-30+ 50-60+ 15-20+ <5-10 15-20+	8-9m 1m 5m 9m 4m <3m 2m	6-7m <1m 2m 12m 4m <1m 3m	fair/ v.poor regrowth fair fair/ regrowth good good good	varies: 1-5 [mainly 4-5]	high-low	fragmented		native understorey [incl. <i>Podocarpus spinulosus</i> , <i>Acacia terminalis</i> , <i>Epacris platylobium</i> , <i>Dodonaea</i> , <i>Polyscias</i> , <i>Pultenaea</i> , <i>Grevillea</i> , <i>Lepidosperma</i> , <i>Blechnum</i> , <i>Smilax</i> spp.]; good regen./ high biodiversity on lower scarp adj. to reserve; Epip [1]- ext. dead wood/ epicormic growth; dom. weeds along lower watercourse; Ac saplings [likely planted]; <i>Cyathea</i> sp. [cultivated origin] no access onto property.
Coolawin Road [incl. Twemlow Lane] - Road Reserves and Drainage Easements:												Survey Date: 11 May-15 May 2009
drainage easement between Nos. 55 & 57 Coolawin Road/ upper level [adj. to Coolawin Rd].								5	low	restricted	T&BPO	cleared/ highly modified; cultivated exotics/ generic native planting in mulched garden bed [incl. Eha X1].
lower level/ rock outcrops [below scarp/ waterfall] & top of lower scarp [to harbour].	s/s scarp s/s outcrops waterfall two trees	10ag(i)	Ac [1] Fru [1]	80-100+ ?100-150+	15m	15m	good see notes	varies: 4-5 [mainly 5]	low	fragmented	SREP 23	significant s/s scarp, rock outcrops & waterfall/ modified drainage channel Ac [1]- old growth spec. on eroded s/s outcrop; dom. weeds [<i>Phyllostachys</i> , <i>Ligustrum</i> (canopy), <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; remnant native ferns [<i>Adiantum</i> , <i>Asplenium</i> spp.]; Ac X1/ dead old growth canopy tree on lower scarp w. Fru [1]- old growth/ multiple trunk spec./ see No.55 Coolawin Rd.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
Coolawin Road - Public Reserves:												Survey Date: 20 Apr-24 Apr 2009
Elizabeth Park was named after Eliza Smith, a local activist. The land was acquired by subdivision in 1922 [source: WCC reserve signage].												
public park: between Nos. 25 & 27 Coolawin Rd/ upper level mown grass embankment	tree group s/s outcrops	10ar(i)/	Bs [1] Eha [1] Ac [2] Cgu [1]	80-100+ 50-60+ 60-80+ 80-100+	5m 9m 7-8m 9m	7m 12m 7-10m 12m	fair good see notes good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	park largely cleared/ highly modified; under weed management/ restoration strategy; remnant native tree group; Bs [1]- old growth spec./ dead wood

upper steep slope [below mown grass embankment]/ to mid-slope	remnant community s/s outcrops	10ag(i)	Al [1]	10-15+	7m	4m	good						& ext. insect damage/ cavity; Cgu [1]- old growth, multi-trunk (3) specimen; Eha [1]- some dead wood; Ac X1- basal cavity; Al [1]- possibly planted; mixed gen. native planting [<i>Banksia integrifolia</i> , <i>Angophora hispida</i> /Agonis sp.]; <i>B. integrifolia</i> regen. occurring.
			Er [1]	60-80+	7m	6m	v.poor						
			Ka [1]	50-60+	4m	7m	fair						
			Al [2]	50-60+	5-7m	5-7m	good						
			Gf [2]	10-20+	3m	2m	good/ regrowth						
			Ac/ Al/ Er	<5-10	up to 2-3m	varies	good						
			Ka/ Had/ Cal	<5-10	up to 2m	varies	good						restoration planting [<5-10 yrs.] on upper & mid-slope [incl. <i>Angophora</i> , <i>Allocasuarina</i> , <i>Kunzea</i> , <i>Elaeocarpus</i> , <i>Banksia</i> , <i>Acacia</i> , <i>Callicoma</i> , <i>Hakea</i> , <i>Microlaena</i> , <i>Themeda</i> , <i>Pteris</i> / <i>Dianella</i> spp.] all possibly planted; <i>Austrostipa</i> sp. likely cultivated origin; Er[1]/ v.poor 90% die-back w. epicormic growth; dead canopy trees/ <i>Phytophthora</i> sp. may be present; dom. exotics/ weeds [<i>Musa</i> , <i>Cinnamomum</i> , <i>Asparagus</i> , <i>Arundo</i> , <i>Nephrolepis</i> spp.]
lower steep slope/ rock outcrops to water line	s/s outcrops remnant community	10ag(i)	Er [5+] Ac [1] Ceg Gf/ Er Ac/ Bs Pu [dom.]	up to 20-50+ 20-30+ up to 20-30+ <5-10 <5-10 up to 30-40+	up to 5-7m 6m up to 3m up to 1-2m <1m up to 6-7m	1-3m 3m 1-2m <1m <1m varies	good/ fair good good good/ regen. good/ regen. good/ regrowth	varies: 2-5 [mainly 5]	high-low	fragmented	SEPP 19/ T&BPO SREP 23	significant rock outcrops; Pu regrowth [sub-canopy]; good native regen. [incl. <i>Xanthorrhoea</i> , <i>Notelaea</i> , <i>Grevillea</i> , <i>Dodonaea</i> , <i>Platylobium</i> , <i>Calochlaena</i> , <i>Pteridium</i> , <i>Dianella</i> , <i>Entolasia</i> , <i>Smilax</i> , <i>Pandorea</i> spp.]; dom. weeds [incl. <i>Ligustrum</i> , <i>Asparagus</i> spp.].	
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
Clive Park (Clive Park Group) Refer to Sailors Bay Road - Public Reserves for Clive Park listings.													
Coorabin Road - Residential Properties:												Survey Date: 10 Aug-14 Aug 2009	
NOTE: Access to some foreshore properties was either restricted or denied. The following data set is currently incomplete for properties Nos.15-17 Coorabin Road. Access to very steep foreshore slopes was prohibitive in some instances. All listings are subject to boundary survey.													
1 Coorabin Rd: front garden/ upper level adj. to steps	tree group s/s outcrops	10ag(i)	Ac [1] Ac [1]	80-100+ 60-80+	14m 14m	16m 14m	good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	terraced exotic garden; significant s/s outcrops; Ac X2- old growth specs./ up to 1000mm diam. base; some dead wood; native ferns [incl. <i>Calochlaena</i> , <i>Pteridium</i> , <i>Blechnum</i> , <i>Adiantum</i> spp.]; dom. weeds [<i>Nephrolepis</i> , <i>Asparagus</i> , <i>Ligustrum</i> , <i>Cinnamomum</i> spp.]; listings subject to bdy. survey verge/ set-back.	
rear garden/ adj. to bdy. No.3 & Widgiewa Rd. frontage			Ac [1] Gf/ Pu Ac [1]	?100-150+ up to 20-30+ <5	16m up to 4-6m <1.5m	25m varies <1m	good good/ regrowth good						
Refer to Widgiewa Road - Road Reserves and Drainage Easements for adjoining verge listings.													
Survey Date: 9 Nov-13 Nov 2009													
5 Coorabin Rd: rear garden/ upper slope	tree group s/s outcrops	10ag(i)	Ac [1]	80-100+	18m	22m	fair	5	low	fragmented	T&BPO SREP 23	steep embankment/ exotic garden; Ac [1]- old growth spec./ crown die-	

												back & some dead wood.
steep lower slope			Gf [1] Ac [1] Ac [1] Bint [1] Al [1]	50-60+ 40-50+ 15-20+ 10-15+ 30-40+	7m 8m <1m 7m 5m	5m 3m <1m 3m 7m	good/ lopped fair lopped/ regrowth good good/ lopped					ext. clearing/ lopping; highly modified; significant rock outcrops; Ac [1]/ fair-damaged crown; dom. exotics/ weeds [<i>Phyllostachys</i> , <i>Asparagus</i> , <i>Ochna</i> spp]; Bint [1]- likely cultivated origin;
rock outcrops to water-line			Casg [dom.]	up to 40-50+	up to 5-7m	up to 2-5m	good					<i>Casuarina glauca</i> group/ multi-stem regrowth; listings subject to boundary survey; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
7 Coorabin Rd: rear garden/ upper slope [upper scarp]	tree group s/s outcrops s/s scarp	10ag(i)	Ac [1] Gf [1]	60-80+ 15-20+	10m 4m	15m 5m	good good	5	low	restricted	T&BPO SREP 23	exotic garden; Ac [1]- on rock shelf/ adj. bdy. No.9; generic native planting- <i>Eucalyptus globulus</i> (22m HT).
lower slope [below scarp]			Ac [1] Ac [1] Bint [1]	40-50+ 60-80+ 10-15+	14m 14m 7m	5m 16m 4m	good fair good	varies: 4-5 [mainly 5]		fragmented		significant rock outcrops/ scarp; highly modified; Ac [1]/ fair- insect damage; Bint [1]- likely cultivated origin; gen. native planting [<i>Corymbia citriodora</i>].
steep lower slope/ rock outcrops to water-line	remnant community		Cgu [2] Ac [2] Casg [8+] Fru [1] Ceg Pu Casg	60-80+ 10-15+ up to 50-60+ 20-30+ unknown up to 10-20+ <5-10	5-8m 6-7m 4-6m 3m <1m up to 2-3m <0.5m	4-9m 3-4m varies 7m <1m varies <0.5m	good/ fair good good good good/ lopped good/ regrowth good/ regen.	varies: 2-5 [mainly 5]	high-low			Cgu X1/ fair- damaged trunk/ dead wood; dom. weeds [incl. <i>Nephrolepis</i> , <i>Phyllostachys</i> , <i>Ochna</i> , <i>Bryophyllum</i> , <i>Asparagus</i> spp.]; native understorey [incl. <i>Grevillea linearifolia</i> , <i>Dodonaea</i> , <i>Breynia</i> , <i>Acacia</i> , <i>Pteridium</i> , <i>Dianella</i> , <i>Lomandra</i> , <i>Entolasia</i> , <i>Pandorea</i> , <i>Smilax</i> spp.]; listings subject to bdy. survey; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
9 Coorabin Rd: front garden/ upper level adj. to bdy. No.7	tree group s/s outcrops	10ag(i)	Gf [1]	50-60+	8m	7m	good	5	low	restricted	T&BPO SREP 23	terraced exotic garden.
rear garden/ mid-slope terraces			Al [6+] Gf/ Pu	up to 30-40+ up to 30-40+	up to 6-9m up to 5-7m	up to 4-5m varies	good good/ regrowth	varies: 4-5		fragmented		<i>Allocasuarina littoralis</i> -remnant group; natives [incl. <i>Dodonaea</i> sp.]; weeds.
steep lower slope/ rock outcrops to water-line			Ac [1] Ac [1] Ac [1] Al [10+] Al [dom.] Ceg Er Casg [5+]	50-60+ 10-15+ ?100-150+ up to 20-30+ <5 up to 40-50+ up to 10-15+ up to 50-60+	10m 9m 5m up to 4-8m <2m up to 2m up to 3-5m up to 5-7m	6m 4m 12m varies <1m up to 2m up to 2m varies	fair good fair/ regrowth good good/ regen. good good good	varies: 3-5 [mainly 5]	medium-low			significant rock outcrops; Ac [1]/ fair-ext. dead wood; Ac [1]/ fair- fallen old growth spec. leaning over water/ ext. regrowth; remnant native understorey [incl. <i>Allocasuarina</i> (dom.), <i>Dodonaea</i> , <i>Acacia ulicifolia</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Entolasia</i> spp.]; Pu regrowth; dom. weeds [<i>Cinnamomum</i> , <i>Cotoneaster</i> , <i>Asparagus</i> spp.]; listings subject to bdy. survey; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
												Survey Date: 31 Aug-4 Sep 2009
11 Coorabin Rd: rear garden/ upper level/ top of scarp	tree group s/s outcrops	10ag(i)	Ac [1] Al [2]	80-100+ 20-30+	15m 5-6m	20m 4-5m	good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO SREP 23	terraced exotic garden/ significant s/s outcrops & scarp; Ac [1]- old growth

adj. to bdy. No.13	s/s scarp remnant community			Ac [1]	60-80+	16m	18m	good						specimen; dom. weeds [<i>Nephrolepis</i> (dom.) <i>Genista</i> , <i>Ochna</i> spp.].	
mid-slope [below scarp]				Gf [1]	20-30+	3m	6m	good						contiguous	steep terraced slope/ rock outcrops; native understorey [<i>Ceratopetalum</i> (dom.) <i>Allocasuarina</i> , <i>Dodonaea</i> , <i>Pteridium</i> , <i>Lomandra</i> , <i>Pandorea</i> spp.]; Ac [1]- old growth spec./ fallen tree w. regrowth along dom. trunk; part of contiguous native canopy group; dom. weeds [incl. <i>Cotoneaster</i> , <i>Asparagus</i> spp.]; listings subject to bdy. survey; no access onto property.
lower slope to water-line				Ac [1]	40-50+	14m	10m	good							
				Ac [1]	20-30+	9m	3m	good							
				Al [dom.]	up to 30-40+	up to 6-7m	varies	good							
boulder edge/ water-line	Ac [1]	80-100+	6m	12m	see notes	varies: 3-5	medium-low	good/ regrowth							
	Gf [1]	40-50+	9m	8m	good										
	Ceg [dom.]	up to 30-40+	up to 2-3m	up to 2-3m	good										
	Al/ Er	up to 30-40+	up to 4-7m	varies	good										
	Gf/ Pu	up to 20-30+	up to 4-7m	varies	good										
	Casg [dom.]	up to 30-60+	up to 8-9m	up to 2-5m	good										
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.															
13 Coorabin Rd: rear garden/ upper slope adj. to bdy. No.15	tree group s/s outcrops	10ag(i)		Gf [1]	30-40+	9m	8m	good	5	low	restricted	T&BPO SREP 23	terraced exotic garden/ significant s/s outcrops/ formations & scarp; highly modified; gen. native planting [<i>Euc. saligna</i> (25m HT)/ <i>Melaleuca</i> sp.]; dom. weeds [<i>Ligustrum</i> , <i>Olea</i> , <i>Senna</i> , <i>Ochna</i> spp.]; subject to bdy. survey.		
mid-slope/ upper scarp [below pool terrace]	Al [1]			30-40+	8m	6m	good	varies: 3-5 [mainly 5]					medium-low	contiguous	Ac [1]- massive v. old growth spec./ twin-trunk 1400mm diam. base; dom. <i>Allocasuarina</i> sp.; Ac [1]/ fair-crown die-back/dead wood; natives [incl. <i>Grevillea linearifolia</i> , <i>Xanthorrhoea</i> (dom.), <i>Calochlaena</i> , <i>Pteridium</i> , <i>Acacia</i> spp.]; significant group of <i>Xanthorrhoea</i> sp. [see listings for Nos. 15-21 Coorabin Rd & Noonbinna Cr.]; Pu regrowth; weed thicket [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Lantana</i> , <i>Genista</i> spp.]; <i>Casuarina glauca</i> [8+] on significant s/s outcrops to water-line; listings subject to bdy. survey.
lower slope [below scarp] to water-line	Er [1]			30-40+	5m	4m	good								
	Fru [1]			15-20+	7m	12m	good								
	Al [dom.]			up to 10-20+	up to 3-4m	varies	good								
adj. to bdy. No.15	s/s scarp remnant community	Ac [1]	?100-150+	18m	25m	good	varies: 3-5 [mainly 5]	medium-low	contiguous	Ac [1]- massive v. old growth spec./ twin-trunk 1400mm diam. base; dom. <i>Allocasuarina</i> sp.; Ac [1]/ fair-crown die-back/dead wood; natives [incl. <i>Grevillea linearifolia</i> , <i>Xanthorrhoea</i> (dom.), <i>Calochlaena</i> , <i>Pteridium</i> , <i>Acacia</i> spp.]; significant group of <i>Xanthorrhoea</i> sp. [see listings for Nos. 15-21 Coorabin Rd & Noonbinna Cr.]; Pu regrowth; weed thicket [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Lantana</i> , <i>Genista</i> spp.]; <i>Casuarina glauca</i> [8+] on significant s/s outcrops to water-line; listings subject to bdy. survey.					
		Al [18+]	up to 10-20+	up to 4-6m	varies	good									
		Ac [1]	40-50+	9m	10m	fair									
		Gf/ Pu	up to 20-30+	up to 4-7m	varies	good/ regrowth									
		Ac [1]	50-60+	16m	10m	fair									
adj. to water-line/ rock outcrops	Xa	unknown	<1.5m	<1.5m	good	good									
	Casg [8+]	up to 30-60+	up to 6-9m	up to 2-5m											
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.															
15 Coorabin Rd: rear garden/ upper terrace/ lawn	tree group s/s outcrops	10ag(i)		Epip [1]	80-100+	16m	22m	see notes	5	low	fragmented	T&BPO SREP 23	terraced exotic garden; significant s/s outcrops & scarp; Epip [1]- old growth spec./ 900mm diam. base/ damaged upper trunk w. vigorous regrowth/ remove exotic climber; dom. weeds [<i>Nephrolepis</i> , <i>Ochna</i> spp.]		
	Cgu [1]			40-50+	14m	12m	good	Ac [1]- old growth spec./ some dead wood; listing subject to bdy. survey.							
	Ac [1]			40-50+	16m	15m	good								
	mid-slope adj. to bdy. No.13 pool terrace			Ac [1]	80-100+	22m	30m						good		
Ac [1]				30-40+	14m	7m	good								
Gf [1]		50-60+	8m	7m	good										

upper scarp	s/s scarp remnant		Epip [1] Cal [1]	40-50+ 30-40+	16m 6m	15m 5m	good good	varies: 3-5 [mainly 5]	medium-low	contiguous		dom. weeds [<i>Phyllostachys</i> sp.]; Cal [1]- on scarp.	
lower scarp/ lower slope to water-line	community		Ac [2] Epip [1] Al/ Pu [dom.] Ple [3] Xa	50-80+ 60-80+ up to 20-30+ unknown unknown	16-18m 12m up to 4-7m up to 2.5m <1.5m	10-12m 12m varies varies <1.5m	fair [2] fair good/ regrowth good good						
			Casg [dom.] Bint	up to 30-60+ up to 5-10+	up to 7-8m <1.5m	up to 2-5m <1m	good good/ regen.						
boulder edge/ water-line													old specimens [see listings for Nos.13, 17-21 Coorabin Rd & Noonbinna Cr.]; generic native planting [incl. <i>Corymbia citriodora</i>]; Bint- possibly planted or voluntary coloniser; dom. weeds [incl. <i>Lantana</i> , <i>Nephrolepis</i> spp.]; listings subject to bdy. survey; no access.
DATA INCOMPLETE Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
												Survey Date: 31 Aug-4 Sep 2009	
17 Coorabin Rd: rear garden/ upper to mid-slope [below pool terrace]	tree group s/s outcrops	10ag(i)	Epu [1] Cgu [1] Ac [1]	60-80+ 60-80+ 60-80+	16m 12m 14m	16m 12m 14m	good good good	varies: 4-5 [mainly 5]	low	contiguous	T&BPO SREP 23	steep slope; no access; significant s/s outcrops; Ac [1]- adj. to bdy. No.15; all listings subject to boundary survey.	
lower steep slope to to water-line	remnant community		Epip [2] Pu [dom.] Al/ Er Xa Ac [1] Casg [dom.]	50-60+ up to 20-30+ up to 20-30+ unknown 40-50+ up to 30-40+	9-16m up to 4-7m up to 4-7m <1.5m 16m up to 5-7m	9-16m varies varies <1.5m 8m varies	good[1]/ fair[1] good/ regrowth varies good good good					contiguous native canopy; remnant native understorey [<i>Xanthorrhoea</i> , <i>Dodonaea</i> , <i>Lomandra</i> , <i>Pteridium</i> , <i>Smilax</i> spp.]; <i>Xanthorrhoea</i> group-significant [see listings for Nos.13-15, 19-21 Coorabin Rd & Noonbinna Cr.]; dom. weeds [incl. <i>Phyllostachys</i> , <i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Ochna</i> spp.].	
boulder edge/ water-line													
DATA INCOMPLETE Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
19 Coorabin Rd: front garden	s/s outcrops	10ag(i)						varies: 4-5 [mainly 5]	low	isolated	T&BPO SREP 23	exotics/ cultivated natives [<i>Livistona</i> , <i>Cyathea</i> spp.]; native <i>Calochlaena</i> sp.	
rear garden/ upper scarp to mid-slope	s/s scarp											significant s/s scarp & rock outcrops; no native canopy/ understorey; recent clearing; exotic terraced garden.	
lower scarp [top of scarp]	tree group		Ac [1]	60-80+	18m	16m	good					Ac [1]- adj. to bdy. No.17; recent clearing/ herbicidal treatment.	
lower slope to water-line	remnant community		Ac [1] Cgu [3] Epip [1] Ceg Al [7+] Ac/ Al/ Er Ple [1] Pu/ Gf	40-50+ 50-60+ 15-20+ up to 40-50+ up to 15-20+ <5 unknown up to 20-30+	18m 14-16m 6m up to 4m up to 3-7m <2m 3m up to 4-7m	9m 6-8m 7m up to 3m varies <1m 2m varies	good fair [3] fair good/ regrowth good good/ regen. good good/ regrowth	varies: 1-5	high-low	contiguous		Cgu [3]- ext. dead wood; significant remnant community; high biodiversity/ good native regen. [incl. <i>Persoonia levis</i> , <i>Allocasuarina</i> , <i>Ceratopetalum</i> , <i>Elaeocarpus</i> (dom.), <i>Clerodendrum</i> , <i>Xanthorrhoea</i> , <i>Dodonaea</i> , <i>Lomandra</i> , <i>Pteridium</i> , <i>Entolasia</i> , <i>Smilax</i> spp.]; <i>Xanthorrhoea</i> group [14+]-significant/	

			Xa [14+]	unknown	<1.5m	<1.5m	good					old specimens [see listings Nos.13-17 &21 Coorabin Rd & Noonbinna Cr.]; weeds [<i>Cinnamomum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; listings subject to boundary survey.		
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .														
21 Coorabin Rd: front garden	tree group s/s outcrops s/s scarp	10ag(i)	Ac [1]	40-50+	9m	5m	fair/ lopped	5	low	isolated	T&BPO SREP 23	exotic garden.		
rear garden/ upper slope [below pool terrace]												no native canopy/ understorey; recent clearing/ herbicidal treatment.		
mid-slope/ top of lower scarp			Epip [1] Gf [1] Epu [1] Er [3] Ac [1] Gf [1]	80-100+ 20-30+ 40-50+ 15-20+ 60-80+ 40-50+	16m 9m 16m 6-7m 18m 10m	16m 7m 8m 2-3m 12m 8m	good good good good good good	varies: 4-5 [mainly 5]	low	restricted		significant rock outcrops; Epip [1]- old growth multi-trunk [4No.] specimen; Epip/ Epu/ Ac- some dead wood; dom. exotics/ weeds [incl. <i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Anredera</i> , <i>Cardiospermum</i> spp.].		
adj. to bdy. No.19	remnant community	Ac [1] Ac [4] Ac [1] Epip [5+] Al/ Had	60-80+ 20-40+ 80-100+ 20-50+ up to 30-40+	14m 9-14m 18m 10-14m up to 5-7m	12m 3-8m 18m 6-12m varies	good fair[3]/ good[1] good good/ fair good	varies: 1-5				high-low	contiguous	significant native canopy/ understorey on lower steep slope; no access; high biodiversity/ good native regen. [incl. <i>Hakea</i> , <i>Allocasuarina</i> , <i>Xanthorrhoea</i> , <i>Lepidosperma</i> , <i>Gahnia</i> spp.]; Ac [1]- old growth specimen; Pu regrowth; <i>Xanthorrhoea</i> group- significant/ old specimens [see listings for Nos.13-19 Coorabin Rd & Noonbinna Cr]; weeds [incl. <i>Lantana</i> sp.]; listings subject to to boundary survey.	
very steep lower slope/ rock outcrops to water-line		Pu [dom.] Xa	up to 20-30+ unknown	up to 4-7m <1.5m	varies <1.5m	good/ regrowth good								
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .														
32 Coorabin Road: front garden/ rock outcrops/ adj. to verge bdy. [Coorabin Road frontage]		tree group s/s outcrops remnant community	10ar(i)	Epu [1] Epip [1] Fru [1]	80-100+ 80-100+ <5	12m 12m <0.5m	14m 12m <0.5m	see notes see notes good	varies: 4-5 [mainly 5]	low	restricted	T&BPO		exotic garden; significant s/s outcrops Epu[1]/ Epip[1]-old growth specimens; Epu[1]- insect damage & cavity/ ext. pruning/ good vigour; Epip[1]-1200mm diam. base/ insect damage, ext. dead wood & basal cavity/ heavily pruned/ remove <i>Ficus pumila</i> on trunk; natives [<i>Dianella</i> , <i>Lomandra</i> , <i>Calochlaena</i> , <i>Adiantum</i> spp.] Pu regrowth; <i>Acacia floribunda</i> - possibly cultivated origin; weeds [<i>Nephrolepis</i> , <i>Asparagus</i> spp.]
Coorabin Road - Road Reserves and Drainage Easements:												Survey Date: 10 Aug-14 Aug 2009		
public verge adj. to bdy. No.17 Courallie Road	single tree	10ar(i)	Gf [1]	40-50+	6m	6m	good	5	low	restricted	T&BPO	mown grass verge; Gf [1]- multi-trunk/ pruned.		
Courallie Road - Residential Properties:												Survey Date: 10 Aug-14 Aug 2009		
1 Courallie Road: front garden/ adj. to bdy. to	single tree	10ar(i)	Ac [1]	30-40+	12m	7m	good	5	low	isolated	T&BPO	exotic garden; Ac[1]- possibly planted; dom. weeds [<i>Nephrolepis</i> sp.].		

No.53 Minnamurra Rd												
2 Courallie Road: front garden	tree group	10ar(i)	Gf [1] Ceg [1]	30-40+ 60-80+	5m 6m	5m 3m	good good	varies: 4-5 [mainly 5]	low	isolated	T&BPO	exotic garden; Ceg [1]-multi-stemmed/ possibly planted; native ferns [incl. <i>Calochlaena</i> , <i>Pteridium</i> spp.]
rear garden/ upper slope adj. to bdy. to Minnamurra Rd			Gf [1]	60-80+	8m	10m	good					Gf [1]- multi-trunk spec.; gen. native planting [incl. <i>Syzygium paniculatum</i>].
6 Courallie Road: rear garden	single tree	10ar(i)	Eha [1]	80-100+	12m	16m	good	5	low	isolated	T&BPO	exotic garden; Eha [1]- old growth specimen; no access.
15 Courallie Road: rear garden/ adj. to garage [Coorabin Rd frontage]	single tree s/s outcrops	10ar(i)	Gf [1]	50-60+	6m	7m	good	5	low	restricted	T&BPO	terraced exotic garden; Gf [1]- multi- trunk specimen.
17 Courallie Road: front garden/ adj. to front bdy. Courallie Rd	tree group s/s outcrops	10ar(i)	Epu [1]	30-40+	9m	10m	fair	5	low	restricted	T&BPO	Epu [1]- possibly planted/ ext. dead wood/ pruning/ remove <i>Hedera</i> sp.
adj. to Coorabin Rd frontage			Ac [1] Gf [1]	60-80+ 40-50+	10m 7m	14m 6m	good good					Ac/Gf-some dead wood; Pu regrowth; weeds [<i>Olea</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Cinnamomum</i> , <i>Asparagus</i> spp.];
rear garden/ adj. to pool deck & bdy. to Coorabin Rd			Ac [1]	60-80+	9m	12m	good					Ac [1]- damaged trunk/ competition w. adj. exotic <i>Cedrus</i> sp.
20 Courallie Road: front garden	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock formations/ outcrops; native ferns may be present; exotic garden; gen. native planting [Euc.].
Courallie Road - Road Reserves and Drainage Easements:												Survey Date: 3 Aug-7 Aug 2009
public verge adj. to bdy. No.3 Courallie Road/ tennis court [No.42 Minimbah Rd].	two trees	10ar(i)	Ac [1] Gf [1]	80-100+ 80-100+	9m 7m	18m 14m	good fair	5	low	isolated	T&BPO	mown grass verge; Ac [1]- old growth spec.; Gf [1]-old growth multi-trunk (7) spec./ crown die-back (20%); weeds [<i>Asparagus</i> sp.].
<i>Note: Owner of No.20 Courallie Rd confirmed Tallowwood (Eucalyptus microcorys) group were planted by a local resident in public verge (adj. to rear boundaries Nos. 2-4 Coorabin Rd) in 1937-38. Two large specimen trees remain in this location.</i>												
Dalmeny Road - Residential Properties:												Survey Date: 27 Apr-1 May 2009
2 Dalmeny Road: front garden	two trees	10ar(i)	As [1] Ai [1]	80-100+ 15-20+	5m 4m	6m 3m	good good/ regrowth	5	low	isolated	T&BPO	exotic garden; As [1]- multi-stemmed/ old growth spec. [possibly cultivated]; Ai [1]- regrowth/ also dead Ai X1; no access onto property.
16 Dalmeny Road: front garden <i>Note: Aboriginal Archaeological Site recorded [NPWS 45-6-646] in WCC Bushland POM (2000).</i>												recent construction/ carport on site; no access onto property.
25 Dalmeny Road: front garden/ upper level adj. to bdy. No.23	single tree s/s scarp s/s outcrops	10ar(i)	Fru [1]	?100-150+	7m	14m	fair	5	low	isolated	T&BPO	exotic terraced garden; Fru [1]- old growth specimen/ ext. adventitious growth/ some pruning; fig assoc. w. significant s/s scarp & rock outcrops; weeds; <i>Ficus pumila</i> / <i>Tecomaria</i> sp. should be removed from trunk.
39 Dalmeny Road: front garden	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	exotic garden; significant s/s outcrops

												exotic <i>Parthenocissus</i> sp; no native canopy; native ferns may be present.			
41 Dalmeny Road: front garden/ rock outcrops along front bdy. to public verge	s/s outcrops remnant community	10ar(i)	Ka [1]	unknown	<1m	<1m	good/ lopped	varies: 4-5 [mainly 5]	low	isolated	T&BPO	exotic terraced garden; significant s/s outcrops; remnant native ferns [incl. <i>Todea</i> , <i>Adiantum</i> spp.]; <i>Dicksonia</i> sp. [cultivated origin]; dom. weeds.			
Dalmeny Road - Road Reserves and Drainage Easements:												Survey Date: 27 Apr-1 May 2009			
For pedestrian right-of-way between Nos.3 & 7 refer to Byora Crescent - Road Reserves and Drainage Easements.															
Dorset Road - Residential Properties:												Survey Date: 11 May-15 May 2009			
NOTE: Access to some foreshore properties was either restricted or denied. The following data set is currently incomplete for properties Nos. 9, 11A, 23, 25, 27 Dorset Road.															
1 Dorset Rd: rear garden/ upper level adj. to bushland reserve [Northbridge Park: Area Y(i)/(ii)]	s/s outcrops tree group	10ag(i)	Fru [1]	80-100+	12m	12m	good	5	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	steep terraced garden; reserve bdy. confirmed by owner; ext. die-back in adj. bushland [<i>Phytophthora</i> sp. site]; Fru [1]- old growth spec.; Ac [1]- old growth spec./ ext. die-back (70%); Pu regrowth; gen. native planting; dom. weeds [incl. <i>Senna</i> , <i>Ligustrum</i> , <i>Lantana</i> , <i>Lonicera</i> , <i>Cinnamomum</i> , <i>Olea</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.]			
			Ac [1]	80-100+	10m	15m	v.poor								
			Epip [1]	50-60+	9m	15m	good								
			Er [1]	40-50+	7m	6m	fair								
mid-slope adj. to reserve bdy.	remnant community		Ac [1]	60-80+	12m	12m	good	varies: 2-5 [mainly 5]	high-low	fragmented					
			Ac [2]	40-50+	9-10m	6-9m	good								
			Esi [1]	60-80+	9m	16m	fair								
			Al/ Ceg/ Er	up to 20-30+	up to 3-6m	varies	good								
			Esi [1]	5-10+	3m	3m	fair								
lower steep slope/ rock outcrops to tidal platform			Esi [1]	60-80+	8m	9m	fair	varies: 2-5						Esi [3]/ Cgu [1]- ext. dead wood/ good regrowth; significant remnant native group; high biodiversity/ good regen. on lower steep slope [incl. <i>Breynia oblongifolia</i> X3 (old specs.), <i>Grevillea linearifolia</i> , <i>Pultenaea daphnoides</i> , <i>Acacia terminalis</i> , <i>A. suaveolens</i> , <i>Epacris</i> , <i>Woollsia</i> , <i>Crowea</i> , <i>Dianella</i> , <i>Calochlaena</i> , <i>Pteridium</i> , <i>Lomandra</i> , <i>Gahnia</i> , <i>Xanthorrhoea</i> , <i>Imperata</i> , <i>Entolasia</i> , <i>Smilax</i> spp.]; varying level of weeds; subject to bdy. survey.	
			Cgu [1]	60-80+	8m	7m	fair								
			Ac [1]	40-50+	8m	6m	good								
			Ac [1]	30-40+	6m	2m	good								
			Ceg/ Er	up to 30-50+	up to 2-3m	varies	good								
			Ac [2]	unknown	<3m	varies	lopped/ regrowth								
			Ac/Esi/Cgu	up to 5-10	up to 2-4m	up to 1-2m	good/ regen.								
Note: Adjoining Area Y(i)/(ii) (Northbridge Park) is a recorded site affected by <i>Phytophthora</i> sp.															
												Survey Date: 23 Mar-27 Mar 2009			
5 Dorset Rd: rear [lower] garden/ rock outcrops adj. to foreshore	s/s scarp s/s outcrops tree group remnant community	10ag(i)	Esi [1] Esi [2] Ceg [group] Er [2]	60-80+ 30-40+ unknown 5-10+	12m 7-8m up to 2-3m up to 2-3m	10m 7-8m up to 1-3m up to 1m	good good/ fair lopped/ regrowth good	varies: 3-5 [mainly 5]	low-medium	fragmented	T&BPO SREP 23	exotic terraced garden/ significant scarp/ rock outcrops; native g/covers [<i>Pteridium</i> , <i>Dianella</i> , <i>Adiantum</i> spp.]; weeds [<i>Acetosa</i> , <i>Tradescantia</i> spp.]; no access; subject to bdy. survey.			
7 Dorset Rd: rear [lower] garden/ rock outcrops adj. to foreshore	s/s scarp s/s outcrops tree group remnant	10ag(i)	Ac [5] Epip [1] Cgu [1] Al/ Ceg/ Er	30-60+ 50-60+ 30-40+ up to 10-30+	up to 12m 9m 10m up to 3-4m	3-9m 9m 5m varies	good see notes good good/ regrowth	varies: 3-5 [mainly 5]	low-medium	fragmented	T&BPO SREP 23	terraced garden/ significant scarp & rock outcrops; Epip [1]- termite nest; Ac [5]/ Cgu [1]- some dead wood; native regen. [<i>Grevillea</i> , <i>Pandorea</i> ,			

mid-slope/ garden terraces	community		Ceg [1]	60-80+	6m	3m	good					<i>Lomandra, Pteridium, Adiantum</i> spp.]; Pu regrowth; <i>Cyathea</i> sp.- cultivated origin; dom. weeds [incl. <i>Nephrolepis, Asparagus</i> spp.]; no access; subject to boundary survey.
												Survey Date: 16 Mar-20 Mar 2009
8 Dorset Rd: front garden/ rock outcrops adj. to steps & along front bdy./ adj. to public verge	s/s outcrops remnant community	10ar(i)						varies: 4-5 [mainly 5]	low	isolated	T&BPO	exotic garden/ significant s/s outcrops; weeds [<i>Nephrolepis</i> sp.]; no native canopy; remnant native ferns assoc.w. outcrops [<i>Gleichenia, Adiantum</i> spp.]
												Survey Date: 11 May-15 May 2009
9 Dorset Rd: rear garden/ steep slope	s/s outcrops s/s scarp tree group	10ag(i)	Ceg [6+] As [1] Pu	up to 50-60+ 30-40+ up to 30-40+	up to 4-7m 7m up to 5-6m	up to 2-3m 4m varies	fair/ good good good/ regrowth	varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	terraced garden/ significant scarp & rock outcrops; Ceg [6+]- fragmented group/ varying die-back/ dead wood; Pu regrowth; no native canopy; gen. native rainforest planting [<i>Cyathea</i> sp. <i>Araucaria cunninghamii</i>]; <i>Acmena smithii</i> - likely cultivated origin; listings subject to bdy. survey; no access.
DATA INCOMPLETE												Survey Date: 16 Mar-20 Mar 2009
10 Dorset Rd: front garden/ rock outcrops adj. to steps	s/s outcrops	10ar(i)	Fru [1]	<5	<1m	<0.5m	regen.	5	low	isolated	T&BPO	exotic terraced garden/ significant s/s outcrops; native ferns [<i>Adiantum</i> sp.].
rear garden/ terraced lawn adj. to rear bdy. & bdy. No.12 Dorset Rd.	single tree remnant community		Eha [1] Gf [1]/Er [1] Fru [1]	80-100+ <5 <5	10m <1m <1m	15m <0.5m <0.5m	poor regen. regen.	varies: 4-5 [mainly 5]				Eha [1]- old growth specimen/ 900mm diam. base; ext. die-back/ dead wood & adventitious growth; native regen. assoc.w. Eha [incl. <i>Breynia, Smilax, Dianella</i> spp.]; Pu regrowth; dom. weeds [incl. <i>Ligustrum, Nephrolepis, Senna, Genista</i> spp.].
												Survey Date: 11 May-15 May 2009
11A Dorset Rd: front garden/ adj. to upper entry steps	s/s scarp	10ag(i)	Er [1]	50-60+	6m	5m	good	5	low	restricted	T&BPO SREP 23	terraced garden/ significant scarp & rock outcrops; natives [<i>Adiantum</i> sp.];
rear garden/ steep lower slope to foreshore	s/s outcrops tree group		Ac [1] Ebo [2] Ceg/ Rv	60-80+ 40-60+ up to 30-50+	16m 14-18m up to 2-4m	7m 10-12m varies	fair good/ fair good	varies: 3-5 [mainly 5]	medium-low			exotics/ weeds [<i>Nephrolepis</i> spp.].
DATA INCOMPLETE												current construction works on lower slope; Ac [1]- pruning/ dead wood; Ebo X1- on lower NE bdy./ subject to bdy. survey; no access; natives [incl. <i>Rapanea variabilis, Ceratopetalum, Calochlaena</i> spp.]; Pu regrowth; gen. native planting [<i>Toona, Banksia</i> spp.].
												Survey Date: 16 Mar-20 Mar 2009

12 Dorset Rd: front garden/ adj. to entry steps	tree group	10ar(i)	Ceg [6+]	80-100+	up to 5-6m	up to 3m	good/ fair	5	low	isolated	T&BPO	exotic garden/ lawn; Ceg [6+] old growth group/ long pruning history; Pu regrowth.
												Survey Date: 23 Mar-27 Mar 2009
13 Dorset Rd: rear garden/ steep mid-slope to foreshore	tree group remnant community s/s outcrops	10ag(i)	Ac [1] Ac [6] Ac [1] Cgu [1] Ple [1]	80-100+ up to 50-80+ 30-40+ 60-80+ unknown	16m 14-18m 14m 12m 4m	16m 12-16m 7m 12m 3m	good good[5]/fair[1] good good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO SREP 23	significant remnant native tree group/ canopy incl. understorey components [<i>Persoonia levis</i> , <i>Xanthorrhoea</i> sp.]; steep slope; Ac [1]- old growth spec.; Cgu[1]- multi-trunk spec.; dom. weeds [<i>Ligustrum</i> sp.]; cultivated natives; Pu regrowth; no access onto property.
lower foreshore/ rock outcrops			Epip [2]	60-80+	9-10m	9-10m	good					
15 Dorset Rd: rear [lower] garden/ terraces	s/s scarp s/s outcrops tree group	10ag(i)	Epip [1] Epip [1]	60-80+ unknown	15m <1m	10m <1m	fair good/ regrowth	5	low	fragmented	T&BPO SREP 23	terraced garden/ significant scarp & rock outcrops; ext. cultivated generic native spp.; Epip [1]- twin-trunk spec./ epicormic growth & some dead ; Epip [1]- stump/regrowth [old growth spec.]; Ac [5]- saplings [3-7m HT]- cultivated.
lower slope adj. to foreshore	remnant community		Ac [2] Al [1] Er [1] Ac [1] Ac/ Epip/ Gf	40-50+ 30-40+ 20-30+ 5-10+ <5	7-10m 5m 4m 2m <1m	7-10m 7m 2m 2m <1m	good good good good/ sapling good/ regen.	varies: 3-5 [mainly 5]	medium-low			Pu regrowth; good native regen. [incl. <i>Acacia terminalis</i> , <i>Dodonaea</i> , <i>Dianella</i> <i>Omalanthus</i> , <i>Platylobium</i> , <i>Xanthosia</i> spp.]; recommend regen. strategy; current high maintenance regime/ minimal weeds.
16 Dorset Rd: front garden/ rock outcrops adj. to verge	s/s outcrops remnant community	10ar(i)						varies: 4-5 [mainly 5]	low	isolated	T&BPO	significant rock outcrops; dom.weeds; construction site; no native canopy; remnant native ferns [incl. <i>Gleichenia</i> , <i>Calochlaena</i> spp.]; also <i>Cyathea</i> sp.
17 Dorset Rd: rear [lower] garden/ steep slope to gully	s/s scarp s/s outcrops single tree	10ag(i)	Ac [1]	60-80+	15m	7m	fair	5	low	restricted	T&BPO SREP 23	exotic garden/ significant scarp & s/s outcrops [incl. drainage easement]; dom. weeds; dead canopy trees; Ac [1]- ext. dead wood/ crown die- back; Pu regrowth; no access.
18 Dorset Rd: front garden/ upper terrace courtyard & embankment	tree group remnant community	10ar(i)	Ac [1] Had [1]	60-80+ 50-60+	9m 6m	9m 4m	fair good	varies: 4-5 [mainly 5]	low	isolated	T&BPO	terraced exotic garden; Ac [1]- ext. dead wood; <i>Callistemon citrinus</i> [6m HT]- on slope/ possibly v. old spec.; remnant native g/covers [<i>Pteridium</i> , <i>Calochlaena</i> , <i>Dianella</i> spp.]; <i>Cyathea</i> sp.; Pu regrowth; dom. weeds [<i>Olea</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.].
19 Dorset Rd: front garden/ upper terrace level	s/s scarp s/s outcrops	10ag(i)	Ceg [1]	60-80+	6m	3m	good	5	low	restricted	T&BPO SREP 23	terraced garden/ significant scarp & s/s outcrops; dom. weeds [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> spp.]; Pu
rear garden / upper steps	tree group		Fru [1]	20-30+	3m	5m	good					

rear garden / lower terraces			Ceg [3] Had [3]	up to 30-40+ 30-40+	up to 4-5m 5-6m	2-3m 6-7m	good/ lopped good/ fair/ poor					regrowth; also <i>Cyathea</i> sp. generic native planting/ dom. canopy [incl. <i>Eucalyptus grandis</i> / <i>Casuarina</i> spp.]; dom. weeds [<i>Phyllostachys</i> , <i>Ipomoea</i> spp.]; subject to bdy. survey.
DATA INCOMPLETE [Nos. 23, 25 & 27 Dorset Road]												significant Ac group/ cluster; possible remnant community; no access.
29 Dorset Rd: rear garden/ lower terrace	tree group s/s outcrops	10ag(i)	Epip [1] Ac [3] Er [1]	80-100+ 40-60+ 20-30+	16m 9-12m 4m	12m 7-10m 2m	v.poor good good	5	low	restricted	T&BPO SREP 23	exotic terraced garden/ significant s/s outcrops; Epip [1]- ext. die-back/ dead wood; Pu regrowth; planted natives [<i>Lomandra</i> sp.]; no access; listings subject to boundary survey.
31 Dorset Rd: rear garden/ lower terraces	tree group	10ag(i)	Ac [2] Ac [1] Ac [1]	80-100+ 60-80+ 40-50+	18m 18m 16m	14-16m 9m 6m	good/ fair good good	5	low	fragmented	T&BPO SREP 23	exotic terraced garden/ lawns; Ac [2]- old growth specimens/ some dead wood & decline in twin-trunk spec.; <i>Cyathea</i> sp. - upper terraces/ cultivated origin.
33 Dorset Rd: rear garden/ lower terraces	tree group	10ag(i)	Ac [2] Ceg [1] Epil [1]	50-60+ 40-50+ 30-40+	12-14m 3m 22m	8-10m 2m 15m	good good/ lopped good	5	low	restricted	T&BPO SREP 23	exotic terraced garden; subject to bdy. survey; no access; Epil [1]- likely cultivated origin.
35 Dorset Rd: rear garden/ lower terrace	single tree s/s outcrops	10ag(i)	Ac [1]	50-60+	14m	8m	fair	5	low	restricted	T&BPO SREP 23	terraced exotic garden/ significant s/s outcrops; Ac [1]- some dead wood; Pu regrowth; dom. weeds [<i>Senna</i> , <i>Asparagus</i> spp.]; no access; subject to boundary survey.
37 Dorset Rd: rear garden/ lower levels	tree group s/s outcrops	10ag(i)	Fru [3]	40-50+	8-9m	10-12m	good	5	low	restricted	T&BPO SREP 23	significant s/s outcrops; dom. weeds [<i>Ligustrum</i> , <i>Lantana</i> spp.]; subject to boundary survey; no access.
Eastern Valley Way - Residential Properties:												Survey Date: 1 Dec-5 Dec 2008
21 Eastern Valley Way: rear garden/ adj. to bdy. Northbridge Plaza carpark	two trees	10ar(i)	Gf [1] Cgu [1]	40-50+ 30-40+	7m 9m	7m 7m	good good	5	low	isolated	T&BPO	exotic garden; Cgu [1]- likely planted ; cultivated natives [incl. <i>Ceratopetalum</i> <i>apetalum</i>].
23-25 Eastern Valley Way: front garden/ adj. to front bdy.	single tree	10ar(i)	Gf [1]	60-80+	6m	10m	good	5	low	isolated	T&BPO	exotic garden.
Flat Rock Drive - Public Reserves:												Survey Date: 4 Aug-8 Aug 2008
Flat Rock Gully (Flat Rock Gully walking track - Flat Rock Gully Group)												
Flat Rock Gully is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).												
bushland reserve: upper valley/ creek-line adj. to car park areas [east of Flat Rock Drive]	s/s outcrops	10ag(i)						5	low	restricted	SEPP 19/ T&BPO	highly modified/under restoration; gen. & local native planting [<i>Casuarinas</i> , <i>Eucalyptus</i> , <i>Acacia</i> spp.].
creek-line/ rock outcrops	s/s outcrops waterfall	10ar(i)	Ka/Pu [dom.]	up to 30-40+	up to 5-6m	varies	good	varies: 4-5 [mainly 5]	low	fragmented		highly disturbed & modified bushland; dom. weeds; significant rock outcrops.

upper ridge and rock shelf between Sailors Bay Rd & Pyalla St [rear boundaries]	remnant community		Ac/Epip/Cgu Gf/ Pu/ Cal Al/ Ka/ Be	up to 50-60+ up to 50-60+ up to 20-30+	up to 10-12m up to 4-6m up to 3-4m	varies varies varies	good good good	varies: 2-5	high-low			cleared/ no fuel zone; dom. weeds; core area/ modified bushland; highly fragmented native canopy; controlled pile burn [1998]; native understorey [incl. <i>Banksia marginata</i> , <i>Kunzea Allocasuarina</i> , <i>Dodonaea</i> , <i>Gleichenia</i> , <i>Pteridium</i> spp.]; local native planting [incl. Ac/ Epip]; dom. weeds.
Refer to Calbina Road - Public Reserves: for further details of bushland east of creek-line to Calbina Road cul-de-sac].												
Hallstrom Close - Residential Properties:												Survey Date: 23 Mar-27 Mar 2009
1 Hallstrom Close: front garden	two trees	10ar(i)	Al [1]	40-50+	7m	6m	good	5	low	restricted	T&BPO SREP 23	gen. native planting [incl. public verge]; terraced native garden/ cultivated generic natives; no access; subject to boundary survey.
rear garden/ lower terrace			Al [1]	40-50+	7m	6m	good					
2 Hallstrom Close: rear garden/ lower rocks adj. to inter-tidal zone.	tree group	10ar(i)	Ac [1]	150+?	10m	16m	good	5	low	restricted	T&BPO SREP 23	terraced garden/ gen. native planting; Ac [1]- significant old growth/ twin- trunk specimen w. massive 3m diam. base & roots in rock outcrops adj. to high water mark; Bint [1]- possibly planted; Bs [1]- likely planted.
terraced embankment			Al [1]	40-50+	9m	4m	good					
			Bint [1] Bs [1]	30-40+ 15-20+	7m 4m	9m 3m	good good					
3 Hallstrom Close: rear garden/ lower terrace	single tree	10ar(i)	Gf [1]	60-80+	7m	10m	good	5	low	restricted	T&BPO SREP 23	terraced garden; Pu regrowth; dom. weeds [<i>Ligustrum</i> , <i>Asparagus</i> spp.]; no access; subject to bdy. survey.
5 Hallstrom Close: rear garden/ lower terrace/ rock outcrops	single tree s/s scarp s/s outcrops	10ar(i)	Fru [1]	20-30+	5m	7m	good	5	low	isolated	T&BPO SREP 23	significant s/s scarp & outcrops; dom. exotics/weeds; Fru[1]- on lower scarp adj. to bdy. to public reserve.
Hallstrom Close - Public Reserves:												Survey Date: 23 Mar-27 Mar 2009
Hallstrom Reserve: named after Sir Edward Hallstrom (1886-1970)/ philanthropist and director of Taronga Park Zoo. [source: WCC reserve signage].												
public reserve: embankment/ rock outcrops adj. to roadway	tree group s/s outcrops	10ar(i)	Fru [2]	?150+	10m	26m [total]	good	5	low	isolated	T&BPO	highly modified/ mown grass slopes; Fru [2]- significant old growth/ multi- trunk specimens w. combined canopy. Fru [1]- old growth specimen. Pu regrowth; dom. weeds [<i>Erythrina</i> , <i>Ligustrum</i> , <i>Asparagus</i> spp]; cultivated natives [incl. row of 5 X Fru/ Eucs. & v. old <i>Ficus macrophylla</i>].
south-western embankment			Fru [1]	80-100+	8m	12m	good					
north-eastern embankment adj. to shoreline			Gf [1] Gf [4]	80-100+ up to 30-40+	7m up to 3-4m	7m up to 3-4m	good good/ regrowth					
Kameruka Road - Residential Properties:												Survey Date: 31 Aug-4 Sep 2009
1 Kameruka Rd: rear garden/ upper scarp adj. to house	tree group s/s scarp s/s outcrops	10ar(i)/	Egl [1]	20-30+	6m	4m	good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	significant s/s scarp & rock outcrops; assoc. native ferns [incl. <i>Histiopteris</i> , <i>Pteridium</i> , <i>Adiantum</i> spp.]; gen. native planting [front garden]; dom. weeds. significant native tree group; Egl [1]-
lower scarp/ north-west bdy.		10ag(ii)	Egl [1]	60-80+	18m	9m	good					

adj. to lower northern bdy. to reserve/ access road			Egl [1] Ac [1]	50-60+ 60-80+	15m 14m	9m 16m	v.poor good					adj. to north-west bdy./ some dead wood; Egl [1]/ v.poor- lower nth. bdy./ ext. die-back (95%)/ dead wood/ no vigour; Ac [1]- old growth spec./adj. to east bdy.; dense exotic/ weed thicket [<i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Lantana</i> , <i>Phyllostachys</i> , <i>Senna</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.]; listings subject to boundary survey; no access.
lower scarp/ adj. to eastern bdy.			Ac [1]	80-100+	12m	18m	good					
												Survey Date: 8 Dec-12 Dec 2008
10 Kameruka Rd: front garden/ front bdy. to verge	single tree s/s outcrops	10ag(i)	Gf [1]	40-50+	7m	6m	good	5	low	restricted	T&BPO	exotic garden/ weeds; Gf [1]- pruned for o/head powerlines.
												Survey Date: 31 Aug-4 Sep 2009
11 Kameruka Rd: front garden/ on western bdy. to roadway [Jack McClure Place]	single tree	10ar(i)	Gf [1]	80-100+	6m	7m	v.poor	5	low	isolated	adj.SEPP 19 /T&BPO	exotic garden; Gf [1]- ext. die-back (70%)/ dead wood/ heavily lopped/ conc. pavement around base.
												Survey Date: 8 Dec-12 Dec 2008
12 Kameruka Rd: front garden/ front bdy. to verge	s/s outcrops remnant community	10ag(i)	Er [1]	5-10+	1.5m	1.5m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic garden/weeds [<i>Nephrolepis</i> sp.] Er[1]- pruned; native ferns [<i>Gleichenia</i> <i>Adiantum</i> spp.]; also <i>Cyathea</i> sp.
14 Kameruka Rd: front garden/ front bdy. to verge	s/s outcrops s/s cutting	10ag(i)						5	low	restricted	T&BPO	exotics/ weeds [<i>Nephrolepis</i> sp.]; rock outcrops; <i>Cyathea</i> sp.; cultivated gen. natives [<i>Corymbia citriodora</i>]/ also regen.; see verge listing.
18 Kameruka Rd: front garden/ rock outcrops	s/s outcrops	10ag(i)	Ceg [1]	5-10+	2m	1.5m	fair	5	low	restricted	T&BPO	significant s/s outcrops; exotic garden Ceg [1]- possibly planted; native ferns [<i>Pteridium</i> sp.]; cultivated gen. natives
20 Kameruka Rd: front garden/ front bdy. to verge	s/s outcrops tree group	10ag(i)	Cgu [1] Ac[1]/ Bs[2] Ceg [3]	20-30+ 10-20+ 10-20+	7m 8m	4m varies	fair/ lopped good good/ lopped	varies: 4-5 [mainly 5]	low	restricted	T&BPO	rock outcrops; local native & generic planting- [Eucs./ <i>Banksia integrifolia</i> , <i>Lomandra</i>]; all items possibly planted.
upper terrace/ rock outcrops [front garden]	remnant community							varies: 3-5 [mainly 5]	medium-low			remnant natives- [<i>Grevillea sericea</i> , <i>Banksia spinulosa</i> , <i>Dichelachne</i> spp./ other native sedges & grasses.
24 Kameruka Rd: front garden/ front bdy. to verge	s/s outcrops tree group	10ag(i)	Gf [3] Er [1]	30-40+ 30-40+	7-8m 5m	7-8m 4m	good good	5	low	restricted	T&BPO	rock outcrops/ terraced garden; dom. exotics/ weeds; Er[1]- multi-stemmed/ possibly planted; gen. native planting; listing subject to bdy. survey.
26 Kameruka Rd: front garden/ front bdy. to verge	single tree s/s outcrops	10ag(i)	Ac [1]	30-40+	8m	7m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	garden/dom. weeds [<i>Nephrolepis</i> sp.]; cultivated natives- <i>Banksia integrifolia</i> [6m HT]/ <i>Leptospermum laevigatum</i> ; listing subject to bdy. survey.
For verge listings refer to Kameruka Road - Road Reserves and Drainage Easements												Survey Date: 9 Nov-13 Nov 2009

29 Kameruka Rd: east garden/ adj. to bdy. The Outpost <i>For verge listings refer to Kameruka Road & The Outpost - Road Reserves and Drainage Easements</i>	single tree	10ag(i)	Gf [1]	15-20+	7m	5m	good	5	low	restricted	T&BPO	garden/ exotics; also cultivated gen. natives incl. rainforest spp.
												Survey Date: 8 Dec-12 Dec 2008
34 Kameruka Rd: front garden/ rock outcrops	s/s outcrops	10ag(i)/						5	low	isolated	T&BPO	significant s/s outcrops; exotic garden
rear garden/ upper level [off small laneway]	single tree	10ar(i)	Ac [1]	80-100+	9m	15m	good					Ac[1]- old growth, multi-trunk spec. in small upper garden; no access.
												Survey Date: 9 Nov-13 Nov 2009
35 Kameruka Rd: rear garden/ lower slope/ terrace adj. to easement/ bdy. No.37A	tree group	10ag(i)	Epu [1] Ac [1] Gf [1]	40-50+ 30-40+ 20-30+	12m 9m 6m	12m 6m 5m	fair good good/ regrowth	5	low	restricted	T&BPO	exotic garden/ lawn; Epu[1]/ fair- ext. dead wood; competition w. generic native planting/ 2 X <i>Eucalyptus</i> <i>botryoides</i> [14-20m HT].
37C Kameruka Rd: front garden/ adj. to garage/ driveway & bdy. to No.39 Kameruka Rd.	single tree	10ag(i)	Egl [1]	80-100+	12m	18m	v.poor	5	low	fragmented	T&BPO	exotic garden/ recent subdivision; Egl [1]/ v.poor- old growth spec./ ext. die-back (90%)/ dead wood & loss of vigour; part of significant native tree group [see listings for 39 Kameruka Rd & 10 Noonbinna Cr.]; gen. native planting; <i>Hakea</i> sp.- likely cultivated.
												Survey Date: 8 Dec-12 Dec 2008
38 Kameruka Rd: front garden/ front bdy. to verge & Nicol Lane frontage	s/s outcrops tree group remnant community	10ag(i)	Ac [1] Epip [1] Ac [5] Epip [1] Gf [1] Pu	80-100+ 60-80+ 50-80+ unknown 40-50+ up to 40-50+	16m 16m 16-18m 6m 8m up to 6-8m	18m 12m 8-14m 6m 6m up to 5-6m	good fair good [3]/ fair [2] v.poor/ regrowth good regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	large terraced/ exotic garden; significant native tree group/ remnant community assoc.w. significant rock outcrops; Ac[1]- old growth specimen; Ac[2]/ fair- lopped for o'head lines w. dead wood/ regrowth; Epip[1]/ fair- [adj. to bdy. Nicol Lane] dead wood/ remove <i>Hedera</i> sp. covering trunk; Epip[1]/ v.poor-[adj. to bdy.No.36] ext. crown die-back/ basal regrowth; natives [incl. <i>Dodonaea</i> , <i>Lomandra</i> , <i>Dianella</i> spp]; also planted <i>Lomandra</i> & gen. native planting [incl. <i>Syzygium</i> <i>paniculatum</i> (large old specimen), <i>Euc. robusta</i> , <i>Corymbia citriodora</i>]; exotics/ weeds [incl. <i>Cinnamomum</i> , <i>Olea</i> , <i>Asparagus</i> spp.].
												Survey Date: 9 Nov-13 Nov 2009
39 Kameruka Rd: rear garden/ lawn terrace adj. to bdy. No.37C	tree group	10ag(i)	Ac [1] Ac [1] Cgu [1]	80-100+ 40-50+ 60-80+	16m 16m 15m	20m 9m 10m	good good good	5	low	restricted	T&BPO	exotic garden/ lawn; Ac [1]-old growth specimen; Ac [1]/ Cgu [1]- some dead wood; Egl [1]- possibly seedling of old

adj. to public right-of-way			Egl [1] Ceg [1] Er [2]	30-40+ 15-20+ 15-20+	15m 7m 7-8m	8m 1m 6-7m	good good good					growth spec. in No.37C [see listing]; significant remnant native tree group; Ceg/ Er - possibly cultivated origin.
												Survey Date: 8 Dec-12 Dec 2008
40 Kameruka Rd: front garden/ adj. to bdy. Nicol Lane	single tree	10ag(i)	Ac [1]	30-40+	16m	8m	good	5	low	fragmented	T&BPO	garden/ lawn; Ac [1]- some dead wood/ competition w. <i>Liquidambar</i> sp. part of larger native tree group; likely seedling from No.38 [see listing].
												Survey Date: 9 Nov-13 Nov 2009
41A Kameruka Rd: front garden/ upper level adj. to bdy. No.43	two trees	10ag(i)	Ac [1] Abin [1]	40-50+ 15-20+	10m 7m	14m 7m	good good	5	low	restricted	T&BPO	mulched garden bed; Ac [1]- some dead wood; <i>Acacia binervia</i> -possibly cultivated origin/ self-sown; Ceg/ immature planted.
43 Kameruka Rd: front garden/ upper lawn terrace	single tree s/s scarp s/s outcrops	10ag(i)	Epip [1]	80-100+	12m	12m	good	5	low	restricted	T&BPO	exotic garden; significant s/s scarp & outcrops; Epip [1]- old growth spec./ storm damaged trunk/ crown (20%) & dead wood; Pu regrowth; no access.
45 Kameruka Rd: front garden/ upper lawn & garden terraces	tree group	10ag(i)	Ac [1] Ceg [1] Gf [1]	15-20+ 60-80+ 40-50+	9m 7m 6m	4m 7m 7m	good good good	5	low	fragmented	T&BPO	exotic garden/ lawn; Ac [1]- on upper terrace; Ceg [1]- adj. to house; Gf [1]- adj. to bdy. No.43.
rear garden/ lower level adj. to bdy. No.43.			Ac [1]	40-50+	14m	9m	good					current building works; dom. weeds [<i>Cinnamomum</i> , <i>Nephrolepis</i> spp.]; Pu regrowth; gen. native planting.
47 Kameruka Rd: rear garden/ adj. to bdy. No.4 Noonbinna Cr.	single tree	10ag(i)	Cgu [1]	60-80+	12m	8m	fair	5	low	fragmented	T&BPO	exotic garden/ lawn; Cgu [1]- dead wood/ vigorous adventitious growth.
												Survey Date: 8 Dec-12 Dec 2008
54A Kameruka Rd: front garden/ adj. to front bdy.	single tree	10ag(i)	Ac [1]	5-10+	7m	3m	good	5	low	restricted	T&BPO	exotic garden/ lawn; likely voluntary coloniser rather than cultivated.
58 Kameruka Rd: rear garden/ rear [south-eastern] bdy.	s/s scarp s/s outcrops	10ag(i)						5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; generic native planting; no access; remnant native ferns may be present.
Note: Locally significant sandstone scarp/ rock outcrops extending along rear boundaries of 58-60 Kameruka Road, 52 Tunks Street and rear garden of 50 Tunks Street.												
60 Kameruka Rd: rear garden/ rear boundary	s/s scarp s/s outcrops	10ag(i)						5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; generic native planting; no access; remnant native ferns may be present.
Note: Locally significant sandstone scarp/ rock outcrops extending along rear boundaries of 58-60 Kameruka Road, 52 Tunks Street and rear garden of 50 Tunks Street.												
												Survey Date: 10 Aug-14 Aug 2009
63 Kameruka Rd: rear garden/ adj. to bdy. No.1 Parker St	single tree	10ar(i)	Gf [1]	40-50+	8m	7m	good	5	low	isolated	T&BPO	exotic garden; no access.
71 Kameruka Rd: rear garden/ upper scarp adj. to deck & bdy. to No.73	single tree s/s scarp s/s outcrops	10ar(i)	Eha [1]	20-30+	7m	8m	poor	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; <i>Cyathea</i> sp. [cultivated origin]; exotics/ dom. weeds [<i>Ligustrum</i> , <i>Anredera</i> ,

												<i>Tradescantia</i> spp.].
												Survey Date: 8 Dec-12 Dec 2008
74 Kameruka Rd: front garden/ adj. to bdy. No.72 <i>Refer to following listing for drainage easement between 74-76 Kameruka Road.</i>	single tree	10ag(i)	Gf [1]	60-80+	7m	10m	good	5	low	restricted	T&BPO	exotic garden/ lawn; Ac X2 saplings landscaping/ cultivated origin.
76 Kameruka Rd: rear garden/ upper level	tree group s/s outcrops	10ar(i)/	Eha [1]	60-80+	9m	12m	v.poor	varies: 4-5 [mainly 5]	low	restricted	T&BPO	terraced garden; exotics/dom. weeds; Eha [1]- ext. crown die-back (80-90%) dead wood; Cal [1]- old growth spec.; listings subject to bdy. survey.
easement between Nos.74-76		10ag(i)	Pu [1] Cal [1]	60-80+ unknown	9m 2m	8m 1m	poor lopped/ regrowth					
86 Kameruka Rd: rear garden/ upper level adj. to rear bdy.	single tree	10ar(i)	Epu [1]	20-30+	10m	9m	good	5	low	isolated	T&BPO	terraced garden; Epu [1]- some dead wood/ possibly planted; generic native planting.
92 Kameruka Rd: front garden/ adj. to upper driveway.	single tree	10ar(i)	Eha [1]	80-100+	9m	14m	good	5	low	isolated	T&BPO	terraced exotic garden; Eha [1]- old growth spec./ 1400mm diam. base; cavities/ some dead wood; weeds; Pu regrowth
96 Kameruka Rd: front garden/ on front bdy. to public verge	two trees	10ar(i)	Eha [1]	80-100+	9m	12m	good	5	low	isolated	T&BPO	terraced exotic garden; Eha [1]- old growth spec./ cavities/ some dead wood & pruning adj. to powerlines.
on bdy. to No.94			Gf [1]	60-80+	7m	10m	good					
												Survey Date: 10 Aug-14 Aug 2009
111 Kameruka Rd: rear garden/ upper slope adj. to bdy. to Minnamurra Road	single tree	10ar(i)	Ac [1]	?100-150+	10m	18m	good	5	low	isolated	T&BPO	exotic garden; Ac [1]- outstanding old growth multi-trunk spec./900mm diam. base/ some dead wood; gen. native planting [incl. <i>Syzygium paniculatum</i>].
Kameruka Road - Road Reserves and Drainage Easements:												Survey Date: 8 Dec-12 Dec 2008
public verge/ mown grass adj. to front bdy. No.14 Kameruka Road	single tree	10ag(i)	As [1]	50-60+	5m	8m	good/ lopped	5	low	restricted	T&BPO	As [1]- heavily pruned under o'head powerlines; possibly cultivated origin.
public verge/ rock outcrops adj. to front bdy. No.26 Kameruka Road	s/s outcrops remnant community	10ag(i)	Ac [1]	30-40+	8m	4m	good/ lopped	varies: 4-5 [mainly 5]	low	restricted	T&BPO	rock outcrops; Ac [1]- lopped/ o'head lines; Ac[1]/ fair-dead wood/ regrowth; weeds [<i>Cotoneaster</i> , <i>Nephrolepis</i> , <i>Olea</i> spp.]; regen. generic natives- <i>Banksia integrifolia</i> [up to 5m HT]; Pu regrowth; native g/covers [<i>Entolasia</i> sp.]; listing subject to bdy. survey.
			Ac [1] Al [1] Ac	10-20+ 5-10+ <5	3m 3m	1m 2m	fair good/ lopped seedlings/ regen.					
<i>Refer to following listing & 26 Kameruka Road - Residential Properties.</i>												
public verge/ rock outcrops adj. to front bdy. No.28 Kameruka Road	s/s outcrops remnant community	10ag(i)	Ac [1] Ac [2] Al [1] Gf [1] Ac	40-50+ 30-40+ 40-50+ 15-20+ <5	7m 3-7m 5m 4m	10m 2-6m 5m 4m	good good/ fair poor good seedlings/ regen.	varies: 4-5	low	restricted	T&BPO	rock outcrops; Ac [1]/ fair- ext. dead wood/ regrowth; Al [1]/poor-ext. dead wood; dom.weeds [<i>Cotoneaster</i> , <i>Olea</i> <i>Asparagus</i> , <i>Acetosa</i> spp.]; natives- [<i>Pteridium</i> , <i>Dianella</i> spp.]; good Ac regen.; Pu regrowth; Gf [1]- possibly within front bdy; subject to bdy.survey.

												Survey Date: 9 Nov-13 Nov 2009
public verge/ embankment adj. to front bdy. No.29 Kameruka Road	single tree	10ag(i)	Esi [1]	60-80+	9m	16m	good	5	low	restricted	T&BPO	Esi [1]- multi-trunk spec. [3No.]/ ext. adventitious growth/some dead wood; Pu regrowth; dom. exotics/ weeds [incl. <i>Cinnamomum</i> , <i>Olea</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Ipomoea</i> spp.].
<i>For listings in public right-of-way/ easement between Nos.39 & 41 Kameruka Road refer to Noonbinna Crescent - Road Reserves and Drainage Easements.</i>												
public verge/ top of embankment adj. to bdy. No.45 Kameruka Rd	tree group	10ag(i)	Esi [1] Epip [2]	20-30+ 15-20+	10m 8-10m	12m 10-12m	good good	5	low	restricted	T&BPO	mown grass verge adj. to steep slope [Noonbinna Cl.]; dom. weeds; listings are part of larger native tree group [see below & Noonbinna Cl.]; group possibly cultivated origin/ bushcare & restoration strategy.
public verge/ top of embankment between Nos. 45 & 47 Kameruka Road	tree group	10ag(i)	Esi [1] Ac [2] Eha [2]	20-30+ 10-15+ 10-15+	9m 7-8m 2-6m	14m 5-7m 2-7m	good good poor[1]/ good[1]	5	low	restricted	T&BPO	mown grass verge adj. to steep slope [Noonbinna Cl.]; dom. weeds; Ac/Eha- likely cultivated origin; Esi [1]- possibly planted; gen. native planting [<i>Banksia</i> <i>ericifolia</i> / <i>B. integrifolia</i> , <i>Melaleuca</i> <i>quinquenervia</i> , <i>Lomandra</i> spp.]; area under bushcare/ restoration strategy.
<i>For listings on embankment/ unmade road reserve between Nos.45 & 47 Kameruka Road refer to Noonbinna Close - Road Reserves and Drainage Easements.</i>												
												Survey Date: 8 Dec-12 Dec 2008
public verge/ mown grass adj. to front bdy. No.66 Kameruka Road	single tree	10ag(i)	Eha [1]	80-100+	7m	14m	fair/ lopped	5	low	restricted	T&BPO	Eha [1]- old growth spec.; cavities/ insect damage/ dead wood; heavily pruned under o'head powerlines.
												Survey Date: 10 Aug-14 Aug 2009
public verge adj. to bdy. No.81 Kameruka Road	single tree	10ar(i)	Epu [1]	20-30+	6m	10m	fair	5	low	restricted	T&BPO	grass verge; Epu [1]- dead wood/ ext. adventitious growth/ likely planted ; Gf X2- also planted in verge.
												Survey Date: 8 Dec-12 Dec 2008
public verge/ rock outcrops adj. to front bdy. No.114-116 Kameruka Road	s/s outcrops s/s cutting	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops/ road cutting; no remnant native spp.; dom. weeds [<i>Olea</i> , <i>Nephrolepis</i> , <i>Acetosa</i> spp.].
Lower Bligh Street - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
<i>Refer to Bligh Street - Residential Properties.</i>												
Marana Road - Residential Properties:												Survey Date: 17 Nov-21 Nov 2008
5 Marana Road: front garden on rock shelf/ steep slope	two trees s/s outcrops	10ar(i)	Ac [1] Ceg [1]	80-100+ 60-80+	10m 6m	12m 3m	fair good	5	low	restricted	T&BPO	terraced garden/ steep slope; Ac [1]- old growth/ twin-trunk spec. on rock outcrop/ some dead wood; Ceg [1]- infested w. parasitic twiner [<i>Cassytha</i> sp.]; exotics/ weeds [<i>Nephrolepis</i> sp.]
9 Marana Road: front garden	two trees	10ag(i)	Ac [1]	60-80+	12m	12m	good	5	low	fragmented	T&BPO	small garden; Ac[1]- some dead wood

rear garden	s/s outcrops s/s scarp		Ac [1]	40-50+	6m	3m	poor	varies: 4-5 [mainly 5]				significant rock outcrops/ scarp; Ac[1]/ poor- die-back/ adventitious growth; dom. weeds; native ferns incl. <i>Todea</i> , <i>Adiantum</i> spp.; Pu regrowth; generic native planting [<i>Banksia integrifolia</i>].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 9-11, 11A and 19 Marana Road.												
11 Marana Road: front garden	two trees	10ag(i)	Ac [1]	80-100+	12m	18m	good	5	low	fragmented	T&BPO	exotic garden; Ac[2]-old growth specs. front & rear lawn [close to roof-line]/ some dead wood in crowns.
rear garden			Ac [1]	80-100+	12m	16m	good					
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 9-11, 11A and 19 Marana Road.												
11A Marana Road: adj. to lower steps/ between Nos.11 & 13	single tree s/s outcrops s/s scarp	10ag(i)	Ceg [1]	60-80+	6m	4m	good	5	low	fragmented	T&BPO	significant rock outcrops/ scarp; dom. weeds; Ceg [1]- remove <i>Hedera</i> sp.; cultivated natives [<i>Corymbia citriodora</i> adj. verge & <i>Syzygium paniculatum</i>].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 9-11, 11A and 19 Marana Road.												
13 Marana Road: rear garden/ adj. to steps to 11A	two trees	10ag(i)	Ceg [2]	60-80+	6-7m	3-4m	good	5	low	fragmented	T&BPO	exotic garden; weeds.
												Survey Date: 20 Oct-24 Oct 2008
19 Marana Road: front garden/ adj. to entry steps & tennis court	tree group s/s outcrops	10ag(i)/	Epip [1]	40-50+	9m	9m	fair	5	low	fragmented	T&BPO	significant remnant native tree cluster on large block; Epip [1]/ fair- crown die-back; also cultivated natives.
rear garden/ upper western portion adj. to tennis court			Epip [1] Ceg [1]	60-80+ 60-80+	22m 7m	15m 4m	good good					Ac[3]- significant old growth group incl. 1X outstanding sculptural specimen/ 900mm diam. base; significant rock outcrops/scarp [rear bdy.]; native ferns [<i>Todea</i> , <i>Adiantum</i> spp]; <i>Cyathea</i> sp. [cultivated origin]; Pu regrowth; weeds
rear garden/ adj. to north- western bdy. to No.15A			Ac [3] Ac [1] Ceg [1]	80-100+ 40-50+ 60-80+	16-20m 14m 7m	10-20m 9m 4m	good good good	varies: 4-5 [mainly 5]				Ac [1]- old growth spec. top of scarp; Cal[1]- multi-stemmed [possibly much older]; dom. exotics/ weeds [<i>Phoenix</i> , <i>Salix</i> , <i>Ligustrum</i> spp.].
rear garden/ top of scarp north-eastern bdy. to No.70 Baroona Road & Ulric Lane	s/s scarp	10ar(i)	Ac [1] Cal [1]	80-100+ 60-80+	9m 5m	10m 8m	good good					
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 9-11, 11A and 19 Marana Road.												
Marana Road - Road Reserves and Drainage Easements:												Survey Date: 4 Aug-8 Aug 2008
public verge/ rock outcrops adj. to front bdy. to No.1 Marana Road	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops; dom.exotics/ weeds [<i>Ficus pumila</i> , <i>Nephrolepis</i> spp] no native canopy; also <i>Cyathea</i> / <i>Dicksonia</i> spp. [cultivated origin].
public verge adj. to drainage easement [Lane W57] between Nos.9 & 11 Marana Rd.	single tree	10ag(i)	Epip [1]	80-100+	15m	15m	good	5	low	fragmented	T&BPO	mown grass verge; Epip[1]-old growth /1000mm diam. base/ some dead wood in crown; part of remnant native tree group [see listings].
drainage easement [Lane W57] between Nos.9 & 11 Marana Rd. [below scarp]	s/s outcrops s/s scarp	10ar(i)						5	low	restricted	T&BPO	significant rock outcrops/ scarp; dom. weeds; no native canopy; no access; remnant native ferns may be present.

Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 9-11, 11A and 19 Marana Road.												
public verge adj. to front bdy. to No.13 Marana Rd.	single tree	10ag(i)	Ac [1]	80-100+	14m	18m	good	5	low	fragmented	T&BPO	mown grass verge; Ac [1]- old growth spec./1000mm diam. base; part of remnant native tree group [see listings]
Marooba Road - Residential Properties:											Survey Date: 12 Jan-16 Jan 2009	
10 Marooba Rd: rear garden/ adj. to bdy. No.12	single tree	10ar(i)	Ac [1]	80-100+	14m	15m	good	5	low	isolated	T&BPO	exotic garden/ lawn; Ac[1]- old growth multi-trunk specimen; no access.
Minimbah Road - Residential Properties:											Survey Date: 3 Aug-7 Aug 2009	
Refer to following section for listings [Nos. 4, 10, 14 & 16] in Upper Minimbah Road.												
1 Minimbah Rd: rear garden/ upper scarp	s/s outcrops s/s scarp tree group remnant community	10ag(i)	Cgu [1] Ac [1] Al [2] Crho [1] Ka [1]	60-80+ 50-60+ 20-30+ 20-30+ 10-15+	10m 12m 7-8m 7m 3m	9m 8m 3-4m 1m 3m	good good good good good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	very steep embankment; significant rock outcrops & scarp; natives [incl. <i>Xanthorrhoea</i> spp.]; Ka [1]- possibly planted; gen. native planting [<i>Banksia integrifolia</i> , <i>B. serrata</i> , <i>Melaleuca</i> , <i>Cyathea</i> spp.].
mid-slope/ rock outcrops & lower scarp to lower slope adj. to water-line/ boatshed			Cgu [5] Al/ Ceg Had/ Er Ple [1]	50-60+ up to 20-30+ up to 20-30+ unknown	up to 6-9m up to 3-6m up to 3-6m 3m	up to 6-7m up to 2-3m up to 2-3m 2m	good good good good	varies: 3-5 [mainly 3-4]	medium-low	contiguous		subject to boundary survey; significant Cgu group/ contiguous w. reserve; native understorey [<i>Persoonia levis</i> , <i>Grevillea linearifolia</i> , <i>Allocasuarina</i> , <i>Ceratopetalum</i> , <i>Hakea</i> , <i>Elaeocarpus</i> , <i>Persoonia</i> , <i>Lomandra</i> , <i>Dianella</i> spp.]; planted exotics [<i>Dietes</i> sp.]; weeds [<i>Nephrolepis</i> sp.]; no access.
Note: Locally significant sandstone scarp extending along front boundaries/ gardens of 1, 3 & 5 Minimbah Road.												
3 Minimbah Rd: rear garden/ upper slope to mid-slope	tree group s/s outcrops s/s scarp	10ag(i)	Pu [dom.] Fru [1] Er [2]	up to 30-50+ 80-100+ 20-30+	up to 6-8m 12m 3-5m	up to 6-8m 16m 3m	fair/ good good good	5	low	restricted	T&BPO	very steep embankment; significant rock outcrops & scarp; exotic garden/ high maintenance; Fru [1]- old growth spec./ some pruning; Er [2]- possibly planted; <i>Cyathea</i> sp. [cultivated origin] Ac X2 dead trees; Pu regrowth.
lower slope to water-line adj. to boatshed			Epip [1]	80-100+	6m	9m	fair	varies: 4-5 [mainly 5]	low	fragmented		Epip [1]-old growth specimen/ 800mm diam. base/ ext. dead wood (30%)/ good regrowth; natives [<i>Smilax</i> sp.]; <i>Hardenbergia</i> sp. [cultivated origin]; min. weeds.
Note: Locally significant sandstone scarp extending along front boundaries/ gardens of 1, 3 & 5 Minimbah Road.												
5 Minimbah Rd: front garden/ upper level to front bdy.	tree group s/s scarp s/s outcrops	10ag(i)	Fru [1]	80-100+	9m	15m	good	5	low	restricted	T&BPO	Fru [1]-old growth multi-trunk spec.; significant s/s scarp; subject to bdy. survey; dom. weeds/ exotics.
rear garden/ mid-slope			Ceg [1]					varies: 4-5 [mainly 5]	low			very steep embankment; natives [incl. <i>Lomandra/ Dianella</i> spp.]; weeds.
lower slope to water-line	remnant community		Epip [1] Epip [1] Al/ Had	?100-150+ 80-100+ up to 20-30+	10m 10m up to 4-5m	18m 14m varies	good good good	varies: 2-5 [mainly 4-5]	high-low	fragmented		Epip[2]-old growth, multi-trunk specs./ some dead wood; native understorey [<i>Allocasuarina</i> , <i>Hakea</i> , <i>Xanthorrhoea</i> ,

			Gf/ Pu Ple	up to 40-50+ unknown	up to 4-6m up to 1.5m	varies 0.5m	good/ regrowth good					<i>Persoonia, Lomandra, Dianella</i> spp.]; dom. weeds [<i>Asparagus, Nephrolepis</i> <i>Phyllostachys</i> spp.]; no access.
Note: Locally significant sandstone scarp extending along front boundaries/ gardens of 1, 3 & 5 Minimbah Road.												
7 Minimbah Rd: rear garden/ lower slope to beach/ boathouse	tree group s/s outcrops	10ag(i)	Ceg [3] Bs[1]/ Bint[1]	40-50+ 30-40+	3-6m 5-6m	2-3m 6-8m	good fair	varies: 4-5 [mainly 5]	low	restricted	T&BPO	steep embankment; significant rock outcrops; recent clearing/ terracing & landscaping; Ceg- good [2]/ fair [1]- pruned w. regrowth; owner confirmed Ceg[3]?/ Bs/ Bint- all cultivated; native ferns [<i>Histiopteris</i> sp.].
13 Minimbah Rd: front garden/ upper terrace	two trees s/s outcrops	10ag(i)	Ceg [1]	40-50+	4m	1m	poor/ lopped	5	low	restricted	T&BPO	exotic garden; Ceg [1]/ <i>Cyathe</i> sp.- likely cultivated.
rear garden/ lower slope & rock outcrops			Al [1]	15-20+	4m	3m	good			isolated		very steep embankment; significant s/s outcrops; native ferns [<i>Histiopteris</i> sp.]; standing group of dead native trees [possibly Epip]; Pu regrowth; dom. weeds [<i>Ligustrum, Asparagus,</i> <i>Olea, Nephrolepis, Lonicera</i> spp.].
26 Minimbah Road: rear garden/ adj. to pool terrace & bdy. to No.28 Minimbah Rd.	single tree s/s outcrops	10ar(i)	Ac [1]	40-50+	9m	6m	good	5	low	isolated	T&BPO	exotic garden; rock outcrops; Ac [1]- some pruning; no access.
?29 Minimbah Rd: steep slope at rear of No.27 Minimbah Rd. [below adj. terrace]	single tree s/s outcrops	10ag(i)	Fru [1]	20-30+	5m	7m	good	5	low	isolated	T&BPO	steep lower slope; weed thicket [incl. <i>Lantana, Nephrolepis, Asparagus</i> spp.]; no site access.
31 Minimbah Rd: front garden/ upper level	tree group s/s outcrops	10ag(i)	Gf [1] Pu [dom.]	20-30+ up to 30-40+	6m up to 6-7m	7m up to 6-7m	good good/ regrowth	5	low	isolated	T&BPO	exotic garden/ min. maintenance; very steep embankment; rock outcrops; weed thicket [<i>Ligustrum, Nephrolepis,</i> <i>Lantana, Ochna, Asparagus</i> spp.]; generic native planting [<i>Syzygium</i> sp.]; restricted access.
rear garden			Pu [dom.]	up to 30-40+	up to 6-7m	up to 6-7m	good/ regrowth					
33 Minimbah Road: rear garden/ lower slope	single tree s/s outcrops	10ag(i)	Ac [1]	80-100+	12m	14m	fair	5	low	isolated	T&BPO	terraced exotic garden; Ac [1]- old growth spec./ sparse canopy & dead wood; significant rock outcrops; no access.
41 Minimbah Road: front garden/ upper terrace	single tree s/s outcrops	10ag(i)	Ac [1]	80-100+	12m	14m	fair	5	low	restricted	T&BPO	terraced exotic garden; Ac [1]- old growth multi-trunk specimen/1300mm diam. base/ insect damage & some dead wood; house built in 1940s.
42 Minimbah Road - refer to Courallie Road - Residential Properties: 3 Courallie Road.												
51 Minimbah Road: front garden/ adj. to elevated driveway/ house	tree group	10ag(i)	Ac [1]	80-100+	9m	14m	see notes	5	low	contiguous	T&BPO	exotic garden; Ac[1]- old growth spec. heavily under-pruned & some dead wood/ ext. insect damage at base.

rear garden/ lower terraces			Ac [1] Ac [1]	60-80+ 50-60+	9m 10m	12m 12m	good fair			restricted		Ac X2- varying dead wood in crowns; gen. native planting [Bint]. old growth <i>Avicennia</i> sp. [mangrove].
inter-tidal zone/ below seawall												
53 Minimbah Road: rear garden/ upper lawn terrace	single tree	10ag(i)	Ac [1]	60-80+	16m	12m	good	5	low	restricted	T&BPO	terraced exotic garden; generic native planting; no access.
55 Minimbah Road: rear garden/ lower terrace	single tree s/s outcrops	10ag(i)	Ac [1]	50-60+	10m	7m	fair	5	low	isolated	T&BPO	terraced exotic garden; significant s/s outcrops/ steep slope; Ac[1]-ext. dead wood/ crown die-back; dom. weeds [<i>Lantana</i> , <i>Ligustrum</i> , <i>Tradescantia</i> spp.]; gen. native planting; no access.
59 Minimbah Road: rear garden/ upper slope [below pool terrace]	tree group	10ag(i)	Ac [1] Ac [1]	80-100+ 60-80+	10m 9m	14m 12m	fair good	5	low	restricted	T&BPO	steep embankment/ exotic garden; Ac[1]- old growth specimen/ damaged crown & insect attack/ good regrowth; no access.
lower slope			Ac [1]	30-40+	9m	5m	good					
63 Minimbah Rd: rear garden/ lower slope to water-line/ on rock outcrops	single tree s/s outcrops	10ag(i)	Fru [1]	60-80+	8m	15m	good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	Fru [1]- old growth multi-trunk spec./ significant s/s outcrops & boulders to water-line; native ferns [<i>Calochlaena</i> sp.]; Pu regrowth; mulched gardens; dom. exotics/ weeds [incl. <i>Asparagus</i> , <i>Tradescantia</i> spp.]; no access.
												Survey Date: 10 Aug-14 Aug 2009
67 Minimbah Rd: rear garden/ upper slope	tree group s/s outcrops	10ag(i)	Ac [1]	80-100+	15m	15m	good	5	low	fragmented	T&BPO	exotic garden/steep slope; no access; Ac[1]-old growth spec./adj. bdy.No.69;
lower steep terraced slope [above pool terrace]			Ac [1] Fru [1] Ebo [1] Ebo [1] Ebo [2] Ac [1] Gf [1] Ceg [1]	80-100+ 15-20+ 30-40+ 30-40+ 15-20+ 5-10+ 10-15+ 15-20+	15m 8m 14m 12m 7-8m 3m 6m 3m	18m 5m 9m 5m 4-5m 1m 2m 1m	good good good fair good good good good					Ac[1]-old growth spec./adj. bdy.No.65; Fru [1]- on significant rock outcrops; Pu regrowth; Ceg [1]- on bdy. No.65.; Ebo X4 [group]- possibly cultivated origin; Ebo [1]- fair/ remove <i>Hedera</i> sp. on trunk; gen. native planting [incl. <i>Corymbia citriodora</i> , <i>Tristaniopsis</i> , <i>Agonis</i> , <i>Banksia</i> spp.]; dom. weeds [<i>Nephrolepis</i> , <i>Tradescantia</i> spp.];
69 Minimbah Road: rear garden/ upper terraced slope	tree group s/s outcrops s/s scarp	10ag(i)	Fru [1?] Ac	60-80+ <5	9m <0.5m	12m <0.5m	good good/ regen.	varies: 4-5	low	fragmented	T&BPO	terraced exotic garden; steep slope; significant s/s outcrops/scarp; Fru[1?]- heavily lopped w.multiple bases/stems on rock outcrops; native regen. [Ac]. remnant native understorey [incl. <i>Persoonia linearis</i>]; dead tree [Cgu]; Pu regrowth; dom. weeds; gen. native planting [<i>Corymbia maculata</i> , <i>Acacia</i> <i>binervia</i>]; lower slope- Ac [1]/ v.poor- ext. die-back (90%); Ebo [1]- possibly
mid-slope/ upper scarp			Ac [1] Gf [1]	30-40+ 30-40+	10m 5m	7m 5m	good good					
lower slope [below scarp]			Ac [1] Ac [1] Ac [1] Ebo [1]	40-50+ 30-40+ 40-50+ 15-20+	12m 12m 7m 6m	8m 7m 8m 6m	good good v.poor fair					

												cultivated origin [see listing No.67]; natives [<i>Pteridium</i> , <i>Dianella/Lomandra</i> spp.]; weeds [<i>Lantana</i> , <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Tradescantia</i> spp.].
71 Minimbah Road: rear garden/ lower slope [below pool terrace] to lower lawn terrace	tree group s/s outcrops	10ag(i)	Gf [1] Ac [1] Ceg [1] Al [1] Er [1]	60-80+ 10-15+ 30-40+ 30-40+ <5	7m 5m 4m 6m <1m	5m 2m 1m 6m <0.5m	good good/ lopped good good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	steep slope/ terraced exotic garden; significant rock outcrops; Ac [1]-multi- stemmed regrowth; dom. weeds [incl. <i>Asparagus</i> sp.]; Pu regrowth; no access.
73 Minimbah Road: rear garden/ upper slope to pool terrace	tree group s/s outcrops remnant community	10ag(i)	Ac [1]	?100-150+	14m	18m	see notes	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	Ac [1]- on rock outcrops/ old growth spec./ 1300mm diam. base/ ext. dead wood+insect damage/ heavily pruned- recommend arborist inspection.
mid-slope [below pool terrace]			Cgu [1] Ac/ Fru	50-60+ <5	10m <0.5m	10m <0.5m	good good/ regen.					gen. native planting; no native canopy; remnant natives [<i>Persoonia linearis</i> , <i>Pteridium</i> , <i>Dianella</i> spp.] Pu regrowth; dom. weeds [<i>Ligustrum</i> , <i>Senna</i> spp.].
lower slope to water-line			Ac [1] Ac [3] Epu [1] Ceg [1] Al [5] Gf Bint [1] Ac	80-100+ 5-15+ 15-20+ 60-80+ up to 10-15+ up to 15-20+ 5-10+ <5	8m 2-4m 6m 4m up to 4-5m up to 2-4m 2m <0.5m	9m 1-2m 6m 4m varies varies 3m <0.5m	fair good good good good good good good/ regen.	varies: 2-5	high-low			steep slope/ significant rock outcrops Ac[1]/ fair- old growth specimen/ ext. dead wood/pruning [part of larger tree group- see Nos.75, 77-81 Minimbah Rd.]; diverse native understorey/ high biodiversity [incl. <i>Allocasuarina</i> (dom.) <i>Ceratopetalum</i> (multi-stemmed spec.) <i>Persoonia linearis</i> , <i>Clerodendrum</i> <i>tomentosum</i> , <i>Grevillea linearifolia</i> , <i>Xanthorrhoea</i> , <i>Dodonaea</i> , <i>Crowea</i> , <i>Hardenbergia</i> , <i>Lomandra</i> , <i>Stephania</i> spp.]; gen. native planting; Bint [1]- possibly planted; weeds [<i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Cotoneaster</i> spp.].
75 Minimbah Rd: rear garden/ upper level to pool terrace	s/s outcrops tree group remnant community	10ag(i)	Ac [1]	80-100+	12m	14m	good	5	low	fragmented	T&BPO	Ac [1]- adj. to bdy. No.73/ old growth specimen/ 800mm diam. base/ heavily lopped; no access onto property.
upper to mid-slope [below pool terrace]			Fru [1] Ac [1]	30-40+ 80-100+	7m 12m	6m 14m	good good					Fru [1]- adj. to bdy. No.77/ subject to bdy. survey; Ac [1]- old growth multi- trunk spec./ some dead wood; Ac X2 part of larger native tree group [see Nos.73, 77-81 Minimbah Rd]; generic native planting [incl. <i>Euc. microcorys</i>];
lower slope to water-line			Al [dom.] Ac [1] Ac Er [1]	up to 20-30+ 10-15+ <5 15-20+	up to 5-6m 6m <1m 6m	varies 1m <1m 2m	good good good/ regen. good	varies: 3-5	medium-low	contiguous		Pu regrowth; dom. weeds; grading to

												remnant community [<i>Allocasuarina</i> (dom.), <i>Grevillea linearifolia</i> , <i>Dianella</i> , <i>Calochlaena</i> , <i>Lomandra</i> , <i>Imperata</i> , <i>Entolasia</i> spp.]; weeds [<i>Asparagus</i> , <i>Senna</i> spp.]; subject to bdy. survey.
77 Minimbah Rd: rear garden/ upper terraces [below pool deck]	s/s outcrops tree group remnant community	10ag(i)	Ac [2] Ac [1] Gf [2] Er [2]	80-100+ 80-100+ 15-30+ 10-20+	12-16m 12m 4-7m 4-5m	10-20m 12m 1-5m 2m	good/ lopped fair good good[1]/ fair[1]	varies: 4-5 [mainly 5]	low	contiguous	T&BPO SREP 23	Ac [2]-old growth specimens/ possibly much older [twin-trunk spec./ heavily lopped branches]; Ac [1]- old growth spec. crown die-back/ heavily lopped.
steep lower slope/ terraced			Ac [1] Cgu [1] Gf [2] Al [2] Ac [1]	60-80+ 60-80+ 20-30+ 20-30+ <5	14m 10m 7-8m 6m 2m	10m 6m 2-3m 3m 1m	good good good good good	varies: 3-5 [mainly 5]				significant Ac (dom.) group [incl. old growth]- part of larger tree group [see Nos.73, 79-81 Minimbah Rd]; native understorey [<i>Persoonia linearis</i> <i>Xanthorrhoea</i> , <i>Lomandra</i> spp.]; Pu regrowth; generic native planting [incl. <i>Tristaniaopsis</i> , <i>Livistona</i> spp.]; weeds [<i>Asparagus</i> sp.]; subject to boundary survey; no access onto property.
79 Minimbah Rd: rear garden/ upper level to mid-slope/ rock outcrops	s/s outcrops s/s scarp tree group remnant community waterfall	10ag(i)	Epip [1] Ac [1] Epu [1] Rv [1] Gf [3] Er [1]	80-100+ 50-60+ 20-30+ unknown up to 20-50+ 15-20+	18m 9m 9m 2m 4-7m 5m	15m 8m 7m 1m 2-6m 2m	good good fair good good[2]/ fair[1] good	varies: 3-5	medium-low	contiguous	adj.SEPP 19 /T&BPO SREP 23	exotic garden/ min. maintenance; steep slope; Epip[1]-old growth multi-trunk (3No.) spec./ some dead wood; Epu [1]- decline/ dead wood; natives [incl. <i>Rapanea variabilis</i> , <i>Elaeocarpus</i> <i>Lepidosperma</i> , <i>Dianella</i> , <i>Calochlaena</i> <i>Adiantum</i> , <i>Smilax</i> spp.]; Pu regrowth; dom. weeds [<i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Lantana</i> , <i>Ochna</i> , <i>Asparagus</i> spp.];
lower scarp [below rock overhang & waterfall adj. to bdy. Northbridge Pool			Gf [1] Gf [3] Ac [1] Cal [1] Ac / Cgu	80-100+ 60-80+ 50-60+ 60-80+ <5	8m 7-9m 12m 5m <2m	7m 3-6m 8m 5m <1m	fair fair good good good/ regen.					v. significant s/s scarp, outcrops & overhang/ creek-line & waterfall; Gf/ Pu regrowth; Gf [1]- old growth multi-trunk spec.; native understorey- highly disturbed/ modified [incl. <i>Pittosporum revolutum</i> , <i>Cissus hypoglauca</i> , <i>Smilax</i> <i>Callicoma</i> , <i>Omalanthus</i> , <i>Grevillea</i> , <i>Dodonaea</i> , <i>Gahnia</i> , <i>Hardenbergia</i> , <i>Stephania</i> , <i>Calochlaena</i> , <i>Adiantum</i> <i>Cyathea</i> spp.]; dom. weeds.
81 Minimbah Rd: rear garden/ upper terrace	two trees s/s outcrops	10ag(i)	Ac [1]	80-100+	18m	16m	good	5	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	exotic garden/ modified creek-line;
mid-terrace			Ac [1]	80-100+	16m	18m	good					Ac X2-old growth specs.; gen. native/ rainforest planting [<i>Casuarina glauca</i> , <i>Cyathea</i> sp.].

4 Upper Minimbah Road: front garden	s/s outcrops tree group	10ar(i)	Gf [1] Gf [1]	20-30+ unknown	5m <1m	5m <1m	good lopped	5	low	restricted	T&BPO	significant s/s outcrops; recent clearing; Pu regrowth; dom. weeds.
rear garden			Cgu [2] Ac [1] Al [1]	60-80+ 50-60+ 20-30+	9-10m 8m 7m	9-10m 5m 4m	good/ fair fair good					Cgu X1/ fair- some dead wood; Ac [1]- dead wood/ regrowth; subject to bdy. survey; exotic garden; no access.
10 Upper Minimbah Road: rear garden/ adj. to upper rear bdy. to No.19 Minnamurra Rd	single tree	10ar(i)	Ac [1]	50-60+	10m	6m	fair	5	low	restricted	T&BPO	exotic terraced garden; Ac [1]- some dead wood; no access.
14 Upper Minimbah Road: rear garden/ upper level	single tree	10ar(i)	Ac [1]	?100-150+	10m	18m	good	5	low	fragmented	T&BPO	exotic terraced garden; Ac [1]- v. old growth/ outstanding multi-trunk spec./ 1000mm diam. base; part of larger native tree group [see listings No.16 Upper Minimbah Rd & Nos. 25-29 Minnamurra Rd].
16 Upper Minimbah Road: rear garden/ upper level	single tree s/s outcrops	10ar(i)	Ac [1]	?100-150+	9m	18m	fair	5	low	fragmented	T&BPO	exotic terraced garden; rock outcrops; Ac [1]- v. old growth spec./ 1400mm diam. base/ crown die-back w. ext. adventitious growth; part of larger tree group [see No.16 Upper Minimbah Rd & Nos. 25-29 Minnamurra Rd]; gen. native planting [incl. <i>Ceratopetalum apetalum</i> , <i>Adiantum</i> sp.]; weeds.
Minimbah Road - Road Reserves and Drainage Easements:												Survey Date: 27 Apr-1 May 2009
public verge adj. to rear bdy. No.1 Tycannah Road [Minimbah Road frontage]	two trees	10ar(i)	Cgu [1] Bint [1]	80-100+ 30-40+	8m 6m	10m 12m	good good	5	low	fragmented	T&BPO	mown grass verge; Cgu[1]-old growth specimen/ some pruning for o'head powerlines/ some dead wood; Bint [1]- possibly cultivated origin.
												Survey Date: 11 May-15 May 2009
pedestrian pathway & steps adj. to No.17 Tycannah Rd.) <i>Refer to Minimbah Road - Public Reserves for Killingsworth Reserve listings.</i>												
												Survey Date: 3 Aug-7 Aug 2009
drainage reserve between Nos. 5 & 7 Minimbah Road: steep gully/ upper scarp [below roadway]	s/s scarp s/s outcrops tree group remnant community	10ag(i)	Ac [1] Ac [1] Epip [1] Pu [dom.] Ac [2] Al [3]	80-100+ 40-50+ 60-80+ up to 40-50+ 20-30+ up to 20-30+	12m 10m 12m up to 6-8m 7-8m up to 6-8m	16m 7m 14m varies 3-4m varies	fair good good good/ regrowth good/ fair good	varies: 3-5	medium-low	fragmented	T&BPO	significant s/s outcrops & scarp; very steep slope/ gully; restricted access; highly disturbed/ modified community under current bush regen. strategy; Ac [1]- old growth specimen/ext. dead wood (100% lower branches)/ some die-back in upper crown; natives [incl. <i>Acacia parramattensis</i> , <i>Omalanthus</i> , <i>Calochlaena</i> , <i>Pteridium</i> , <i>Histiopteris</i> , <i>Cyathea</i> , <i>Dianella</i> spp.]; dom.weeds
steep gully/ mid-to lower slope & creek-line			Gf [1] Ap [1] Pu [dom.]	30-40+ 15-20+ up to 40-50+	9m 9m up to 4-8m	6m 5m varies	good good good/ regrowth	varies: 4-5 [mainly 5]	low	restricted		

												[incl. <i>Nephrolepis</i> , <i>Tradescantia</i> , <i>Hedychium</i> , <i>Asparagus</i> spp.].
drainage reserve between Nos.63 & 65 Minimbah Road: upper level/ retaining wall to roadway	s/s scarp	10ag(i)	Ac [1]	?100-150+	20m	25m	good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	significant s/s outcrops & scarp; very steep embankment; highly disturbed/ modified community; Ac[1]- old growth exceptional spec./ some dead wood; Fru [1]- multi-trunk (4No.) spec.; large fallen tree; Epip[1]-possibly old growth spec./ fallen tree w. new regrowth; Fru [?]- [possibly 1X Fru old growth multi-trunk spec.]; Pu regrowth dom.; gen. native rainforest planting [<i>Ficus microcarpa</i> var. <i>hillii</i> , <i>Ceratopetalum apetalum</i> , <i>Livistona australis</i> , <i>Cyathea Archontophoenix</i> , <i>Brachychiton</i> spp.]; native understorey [<i>Acacia terminalis</i> , <i>Stephania</i> , <i>Pteridium</i> , <i>Hypolepis</i> spp.]; dom. weeds [incl. <i>Senna</i> , <i>Nephrolepis</i> <i>Tradescantia</i> spp.].
upper to mid-slope	s/s outcrops		Ac [1]	40-50+	9m	7m	good					
	tree group		Fru [1]	60-80+	12m	15m	good					
	remnant community		Fru [1]	40-50+	12m	12m	good					
			Pu [dom.]	up to 50-60+	up to 8-9m	up to 6-7m	good/ regrowth					
			Er [2]	5-10+	<2m	<1m	good/ regen.					
			Ac/ Gf	<5	<1m	<1m	good/ regen.					
lower slope to water-line			Epip [1]	unknown	12m	6m	fair					
			Fru [?]	80-100+	9m	20m	good					
			Fru [3]	20-50+	5-7m	6-10m	good					
Minimbah Road - Public Reserves:												Survey Date: 27 Apr-1 May 2009
Clive Park (Clive Park Group)												
Refer to Sailors Bay Road - Public Reserves for Clive Park listings.												
												Survey Date: 11 May-15 May 2009
Killingsworth Reserve (Clive Park Group)												
Killingsworth Reserve is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas (Public Open Space) in the Willoughby City Bushland Plan of Management (2000). (SEPP 19 section of reserve is opposite Nos. 5-55 Minimbah Road). Refer to Minimbah Road - Road Reserves and Drainage Easements: for listings in drainage reserves between Nos. 5 & 7 Minimbah Rd [eastern] and Nos. 63 & 65 Minimbah Rd [western].												
The reserve was named after W. J. Killingsworth, Alderman on Willoughby Council 1920-22. [source: WCC Draft Killingsworth Reserve Action Plan 2009].												
Area A(i): pedestrian footpath & steps/ unmade road reserve (part of Killingsworth Reserve) between Minnamurra Rd & Minimbah Rd (adj. to No.17 Tycannah Rd.)	s/s outcrops	10ag(i)	Epip [1]	20-30+	14m	7m	fair	5	low	fragmented	T&BPO	rock outcrops; highly modified; dom. weeds [incl. <i>Lantana</i> , <i>Tradescantia</i> , <i>Ageratina</i> , <i>Acetosa</i> spp.]; area under bush restoration strategy; past exotic/ generic native planting [incl. <i>Banksia integrifolia</i> , <i>Euc. microcorys</i> , <i>Ficus coronata</i> , <i>Cyathea</i> spp.]; <i>Acacia binervia</i> , <i>Angophora bakeri</i> , <i>Breynia</i> , <i>Dianella</i> spp. - all likely planted.
	tree group		Pu [dom.]	up to 30-40+	up to 6-7m	varies	good/ regrowth					
Area A(ii): gully & creek-line			Abin	15-20+	up to 7-9m	varies	good					
			Pu [dom.]	up to 30-40+	up to 6-7m	varies	good/ regrowth					
Area B(i): core bushland/ mid-slope to lower slope (opp. Nos.7-53 Minimbah Rd) rock outcrops/ lower scarp	core bushland community	10ar(i)/ 10ag(i)	Epip/ Ac	up to 80-100+	up to 12-16m	up to 22m	varies	varies: 1-3 [mainly 1-2]	high-medium	contiguous	SEPP 19/ T&BPO	significant rock outcrops & scarp; core bushland community w. relatively intact native canopy/ understorey; minimal disturbance/ weed invasion; high biodiversity; [<i>Persoonia linearis</i> ,
	s/s outcrops	Cgu/ Esi	up to 80-100+	up to 12-16m	varies	varies						
	s/s scarp	Bs	up to 80-100+	up to 8m	up to 12m	good						
		Al/ Er	up to 30-50+	up to 5-7m	varies	good						
			Cal/ Ceg	up to 60-80+	up to 4-6m	varies	good					

	s/s cutting		Gf/ Pu Fru Abin	up to 80-100+ ?up to 150+ up to 40-60+	up to 7-8m up to 14m up to 6-8m	up to 12m up to 20m varies	good/ regrowth good good					<i>Pultenaea stipularis, Allocasuarina, Ceratopetalum, Callicoma, Grevillea, Elaeocarpus, Xanthorrhoea, Crowea, Clerodendrum, Platysace, Gleichenia, Histiopteris, Calochlaena, Smilax, Lepidosperma, Lasiopetalum</i> spp.].
Area B(ii): core bushland/ upper scarp/ rock outcrops & walking track (adj. to rear bdy. Nos.1-11 Minnamurra Rd.)	core bushland community s/s outcrops s/s scarp s/s cutting	10ar(i)	Ac/ Cgu Epip/ Epu Esi/ Era Crho Al/ Bs/ Er Ceg/ Had Gf/ Pu	up to 80-100+ up to 80-100+ up to 80-100+ up to 60-80+ up to 40-80+ up to 40-80+ up to 30-50+	up to 12-16m up to 12-16m up to 9-12m up to 6-9m up to 4-6m up to 5-7m up to 4-7m	varies varies varies up to 2-3m varies varies up to 3-7m	varies varies varies good good good good/ regrowth	varies: 1-5	high-low	contiguous	SEPP 19/ T&BPO	significant rock outcrops & scarp; significant scenic vistas; core bush- land community w. varying level of disturbance/ fragmentation & weed invasion [<i>Asparagus, Nephrolepis, Olea, Ehrharta</i> spp.]; area under bush regen. strategy; high biodiversity [incl. <i>Callitris rhomboidea, Allocasuarina, Grevillea buxifolia, Hakea, Dodonaea, Elaeocarpus, Banksia, Persoonia, Xanthorrhoea, Dodonaea, Crowea, Lasiopetalum, Aristida, Cymbopogon, Entolasia, Lomandra, Cryptostylis, Pteridium, Smilax</i> spp.]; Pu regrowth; controlled pile burn [1998].
Area C(i): remnant bushland/ steep embankment (opp. Nos. 55-67 Minimbah Rd & Nos. 6-20 Upper Minimbah Rd.)	tree group remnant community s/s outcrops s/s scarp	10ar(i)/ 10ag(i)	Epip/ Ac Eha Cal Gf/ Pu Fru	up to 60-80+ up to 20-30+ up to 30-40+ up to 60-80+ unknown	up to 9-12m up to 6m up to 5m up to 4-7m up to 2m	varies up to 7m up to 5m up to 3-7m up to 5m	varies fair good good/ regrowth good/ regrowth	varies: 2-5 [mainly 4-5]	high-low	fragmented	T&BPO	significant rock outcrops & scarp; varying level of disturbance/ weed invasion & fragmentation; natives [incl. <i>Acacia, Omalanthus, Persoonia, Gleichenia, Pteridium, Lastreopsis, Imperata</i> spp.]; Pu regrowth; history of clearing/ herbicidal applications on upper scarp; ext. exotics/ gen. native planting [<i>Ficus, Banksia, Melaleuca, Acacia, Kunzea, Callistemon</i> spp.]; dom. weeds [<i>Nephrolepis, Ageratina, Opuntia, Lantana, Asparagus</i> spp.].
Area C(ii): embankment adj. to intersection Minimbah Rd & Upper Minimbah Rd (opp. Nos.20-22)	tree group remnant community	10ag(i)	Ac [1] Ac [2] Ecap [1]	?100-150+ 80-100+ 80-100+	16m 12-14m 16m	16m 15-16m 20m	good good good	varies: 3-5 [mainly 4-5]	medium-low	fragmented	T&BPO	Ac[3]/ Ecap[1]- significant old growth tree group; Ac X1- massive twin-trunk specimen; Ecap X1- twin trunk spec./ some dead wood; remnant natives [incl. <i>Acacia linifolia, Clerodendrum, Pteridium</i> spp.]; dom. exotics/ weeds [incl. <i>Cinnamomum, Senna</i> spp.].
Minnamurra Road - Residential Properties:												Survey Date: 4 May-8 May 2009
2 Minnamurra Rd: front garden/	single tree	10ar(i)	Al [1]	30-40+	6m	3m	good	5	low	restricted	T&BPO	terraced garden; Pu regrowth; generic

upper level adj. to bdy. No.1 Dalmeny Rd.	s/s outcrops												native planting; weeds.
2A Minnamurra Rd: front garden/ upper scarp & rock outcrops	two trees s/s scarp s/s outcrops	10ar(i)	Epip [1] Epip [1]	80-100+ <5-10	7m 3m	14m 1m	good good	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; Epip [1]- old growth spec./ some dead wood; gen. native planting [<i>Banksia</i> , <i>Acacia</i> , <i>Lomandra</i> spp.]; dom. weeds [<i>Senna</i> , <i>Olea</i> , <i>Lonicera</i> , <i>Nephrolepis</i> spp.]; listings subject to bdy. survey.	
5 Minnamurra Rd: rear garden/ lower lawn terrace	single tree s/s outcrops	10ar(i)	Fru [1]	30-40+	6m	4m	good	5	low	fragmented	adj.SEPP 19 /T&BPO	significant rock outcrops; ext. clearing to garden; Fru [1]- multi-stemmed/ some pruning; dom. weeds [<i>Olea</i> , <i>Tradescantia</i> spp.]; generic native planting [incl. <i>Corymbia citriodora</i>].	
6 Minnamurra Rd: front garden/ upper scarp & rock outcrops	s/s scarp s/s outcrops remnant community	10ar(i)						varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant s/s scarp & rock outcrops; remnant natives [incl. <i>Acacia linifolia</i> (regen.), <i>Pteridium</i> , <i>Entolasia</i> spp.]; no native canopy; dom. weeds [incl. <i>Cinnamomum</i> , <i>Ochna</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Bryophyllum</i> spp.].	
7 Minnamurra Rd: rear garden/ upper terrace/ adj. to pool	tree group s/s outcrops	10ar(i)	Epu [1] Cgu [1]	80-100+ 60-80+	15m 14m	16m 10m	good good	5	low	fragmented	adj.SEPP 19 /T&BPO	significant rock outcrops; Epu [1]- old growth spec./900 diam. base; Cgu[1]- adj. to bdy. No.9; Epu [1]/poor- ext. dead wood/ die-back; Pu regrowth; ext. gen. native planting/mulched beds [Be/ Had; <i>Banksia</i> , <i>Callistemon</i> spp.]; no access onto property.	
lower slope			Epu [1]	30-40+	12m	14m	poor						
9 Minnamurra Rd: rear garden/ upper slope terrace	two trees s/s outcrops	10ar(i)	Cgu [1]	40-50+	12m	6m	good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	significant rock outcrops; terraced exotic garden; Ac [1]- multi-trunk (3) specimen; Pu regrowth; dom. weeds [<i>Cotoneaster</i> , <i>Ligustrum</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.]; no access.	
lower level			Ac [1] Er [1]	60-80+ <5-10	16m <2m	15m <1m	good good/ regen.						
												Survey Date: 3 Aug-7 Aug 2009	
15 Minnamurra Rd: rear garden	single tree s/s outcrops	10ar(i)	Ac [1]	50-60+	8m	10m	fair	5	low	restricted	T&BPO	exotic garden; significant s/s outcrops; Ac[1]- some dead wood/ part of larger tree group [see No.4 Minimbah Rd]; also gen. native planting; no access.	
												Survey Date: 4 May-8 May 2009	
16 Minnamurra Rd: front garden/ adj. to pathway	single tree	10ag(i)	Ceg [1]	60-80+	5m	4m	good	5	low	restricted	T&BPO	ext. gen. native planting [<i>Eucalyptus</i> <i>saligna</i> , <i>E. pilularis</i> , <i>Corymbia</i> sp.]; owner confirmed planting 20-25yrs.]; Ceg [1]- likely remnant native sp.	
												Survey Date: 3 Aug-7 Aug 2009	

17 Minnamurra Rd: rear garden/ adj. to rear bdy. No.9 Upper Minimbah Rd	single tree s/s outcrops	10ar(i)	Ac [1]	80-100+	7m	14m	good	5	low	restricted	T&BPO	exotic terraced garden; rock shelf; Ac[1]- old growth specimen/ some dead wood.
												Survey Date: 4 May-8 May 2009
18 Minnamurra Rd: rear garden/ upper level adj. to carport & driveway off Byora Crescent.	single tree	10ar(i)	Era [1]	60-80+	7m	14m	good	5	low	contiguous	T&BPO	exotic terraced garden; Era [1]- some dead wood/ cavities; contiguous w. Broomham Park [Era/ Epip group].
												Survey Date: 3 Aug-7 Aug 2009
19 Minnamurra Rd: front garden/ upper terraces	s/s outcrops	10ar(i)						varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic terraced garden; significant s/s outcrops; native ferns [<i>Calochlaena</i> , <i>Adiantum</i> , <i>Lastreopsis</i> spp.].
rear garden/ lower lawn terrace	single tree		Cgu [1]	80-100+	12m	15m	good					Ac [1]- old growth spec./ some dead wood; Pu regrowth; no access.
												Survey Date: 4 May-8 May 2009
24 Minnamurra Rd: front garden/ rock outcrops	s/s outcrops	10ag(i)						varies: 4-5 [mainly 5]	low	restricted	T&BPO	terraced garden; rock outcrops; some remnant natives [<i>Pteridium</i> , <i>Dianella</i> spp.]; ext. gen. native planting/ canopy [Ceg/ Bs, <i>Euc. botryoides</i> , <i>Corymbia</i> , <i>Casuarina</i> , <i>Melaleuca</i> spp.].
												Survey Date: 3 Aug-7 Aug 2009
25 Minnamurra Rd: rear garden/ lawn area	single tree	10ar(i)	Ac [1]	80-100+	12m	16m	good	5	low	fragmented	T&BPO	Ac[1]- old growth spec./ some dead wood/ part of larger tree group [see Nos.27 & 29 Minnamurra Rd/ Nos.14 & 16 Upper Minimbah Rd]; gen. native planting [<i>E. scoparia</i>]; no access.
												Survey Date: 4 May-8 May 2009
26 Minnamurra Rd: front garden/ upper rock outcrops adj. to old garage/ steps	single tree s/s outcrops remnant community	10ar(i)	Cgu [1] Ka [1] Ceg [1]	60-80+ 50-60+ 20-30+	7m 3m 2m	5m 8m 1.5m	good fair good	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	significant rock outcrops; remnant natives [<i>Pultenaea stipularis</i> , <i>Dianella</i> , <i>Pteridium</i> , <i>Entolasia</i> spp.]; old garden/ site under current development; dom. weeds/exotics [<i>Cinnamomum</i> , <i>Ochna</i> , <i>Olea</i> , <i>Cotoneaster</i> , <i>Asparagus</i> spp.]; generic native planting [incl. <i>Corymbia</i> <i>citriodora</i> /regen. occurring on site].
												Survey Date: 3 Aug-7 Aug 2009
27 Minnamurra Rd: front garden	tree group s/s outcrops	10ar(i)	Pu [1]	60-80+	8m	8m	good	5	low	restricted	T&BPO	exotic terraced garden; significant s/s outcrops; no access.
rear garden/ lawn area			Ac [1] Ac [1]	50-60+ 40-50+	12m 12m	12m 8m	good good			fragmented		Ac X2- part of larger native tree group [see Nos.25 & 29 Minnamurra Rd & Nos.14 & 16 Upper Minimbah Rd].
												Survey Date: 4 May-8 May 2009

28 Minnamurra Rd: front garden/ mid-terrace	single tree s/s outcrops	10ar(i)	Cgu [1]	50-60+	7m	2m	v.poor	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic terraced garden; rock outcrops; Cgu [1]- ext. crown die-back (90%)/ weak adventitious growth; remnant natives [<i>Pteridium</i> sp.]; dom. weeds/ exotics [<i>Nephrolepis</i> sp.].
												Survey Date: 3 Aug-7 Aug 2009
29 Minnamurra Rd: front garden	tree group s/s outcrops	10ar(i)	Ceg [1]	30-40+	6m	3m	good/ lopped	5	low	restricted	T&BPO	significant rock outcrops; no access; Ceg [1]- possibly planted.
rear garden/ upper lawn terrace			Ac [1] Cgu [1]	80-100+ 30-40+	12m 9m	16m 5m	good fair			fragmented		Ac [1]- old growth specimen; part of larger tree group [see Nos.25 & 27 Minnamurra Rd & Nos.14 & 16 Upper Minimbah Rd]; generic native planting [<i>Banksia integrifolia</i> / <i>Syzygium</i> sp.].
												Survey Date: 4 May-8 May 2009
33 Minnamurra Rd: rear garden/ lower slope adj. to bdy. No.20 Upper Minimbah Rd.	single tree	10ar(i)	Cgu [1]	50-60+	8m	7m	good	5	low	isolated	T&BPO	exotic terraced garden; Cgu [1]- some dead wood; dom. weeds.
												Survey Date: 3 Aug-7 Aug 2009
43A Minnamurra Road: rear garden/ on rock shelf adj. to new house & bdy. to No.45 Minnamurra Rd.	single tree s/s outcrops	10ar(i)	Fru [1]	?100-150+	9m	12m	good	5	low	isolated	T&BPO	exotic garden/ recent development; significant rock outcrops; Fru[1]- v. old growth multi-trunk specimen/ some pruning/ alignment; owner concern over possible damage to new house.
												Survey Date: 4 May-8 May 2009
48 Minnamurra Rd: rear garden/ upper level adj. to rear bdy. No.21 Neeworra Rd. & pedestrian right-of-way	single tree	10ag(i)	Egl [1]	80-100+	16m	16m	fair	varies: 4-5 [mainly 5]	low	restricted	T&BPO	Egl [1]/ possibly <i>Eucalyptus globoidea</i> X <i>E. resinifera</i> [hybrid]- old growth specimen/ locally rare [Northbridge area]/ dead wood in crown/ decline; remove smothering climber/weed on trunk [<i>Macfadyena unguis-cati</i>]; Pu regrowth/ ferns [<i>Hypolepis muelleri</i>]; gen. native planting; weeds [<i>Senna</i> , [<i>Cinnamomum</i> , <i>Tradescantia</i> spp.].
												Survey Date: 3 Aug-7 Aug 2009
51 Minnamurra Rd: rear garden/ lawn terrace	single tree	10ar(i)	Cgu [1]	60-80+	12m	12m	fair	5	low	isolated	T&BPO	exotic garden; Cgu [1]- some dead wood/ sparse canopy; native g/cover [<i>Dichondra</i> sp.] at base.
												Survey Date: 11 May-15 May 2009
54 Minnamurra Rd: front garden/ lower terrace/ rock outcrops	two trees s/s scarp	10ar(i)	Fru [1]	unknown	1m	1.5m	regrowth	5	low	isolated	T&BPO	significant s/s scarp & rock outcrops; exotic terraced garden; no native canopy; Fru [1]- lopped/ regrowth.
rear garden/ upper scarp	s/s outcrops		Ac [1]	?60-80+	9m	10m	good					no access to rear garden (owner).

Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
56 Minnamurra Rd: front garden	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant s/s scarp & rock outcrops; no native canopy; native ferns & g/covers may be present; no access.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
58 Minnamurra Rd: front garden/ lower terrace/ rock outcrops	two trees s/s outcrops	10ar(i)	Eha [1]	20-30+	7m	7m	fair	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; terraced garden; Eha [1]- dead wood; gen.native planting [Bint; <i>Corymbia citriodora</i> , <i>Eucalyptus</i> spp.].
rear garden/ upper level adj. to rear bdy. No.29-31 Neeworra Rd.			Cgu [1]	50-60+	14m	12m	poor					Cgu [1]- ext. dead wood; exotics/ weeds [<i>Cinnamomum</i> sp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
62 Minnamurra Rd: rear garden/ upper terrace adj. to rear bdy. 33-35 Neeworra Rd.	single tree s/s outcrops remnant community	10ar(i)	Ceg [1]	60-80+	4m	1m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant rock outcrops; terraced exotic garden; remnant natives [incl. <i>Pteridium</i> , <i>Dianella</i> spp.]; <i>Acacia longifolia</i> [cultivated]; dom. weeds [incl. <i>Nephrolepis</i> , <i>Asparagus</i> spp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
64 Minnamurra Rd: rear garden/ upper terraces [centre]	tree group s/s outcrops	10ar(i)	Ceg [group] Fru [2]	80-100+ <5-10	3m <1m	4m <1m	good/ lopped regen.	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant rock outcrops; terraced exotic garden; no native canopy; Ceg [group]/ multi-stemmed (4) - likely old growth single specimen; also Ceg[1]- on bdy. No.62 & Ceg[1]-on bdy. No.66 subject to bdy. survey; remnant native g/covers [<i>Pteridium</i> , <i>Dianella</i> spp.]; <i>Dendrobium speciosum</i> [cultivated origin]; weeds [<i>Ochna</i> , <i>Acetosa</i> spp.].
adj. to bdy. to No.62	remnant		Ceg [1]	60-80+	4m	1m	good					
adj. to bdy. to No.66	community		Ceg [1]	60-80+	4m	2m	good					
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
66 Minnamurra Rd: rear garden/ upper rock outcrops/ scarp adj. to rear bdy. Nos.37-39 Neeworra Rd.	single tree s/s scarp s/s outcrops	10ar(i)	Fru [1] Ceg [1]	60-80+	8m	12m	good see notes	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; exotic terraced garden; Fru [1]- on scarp; Ceg [1]- see listing in No.64/ subject to bdy. survey; dom. weeds.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
68 Minnamurra Rd: rear garden/ mid-slope adj. to bdy. No.66	single tree s/s scarp s/s outcrops	10ar(i)	Ac [1]	50-60+	8m	6m	fair	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; exotic garden; Ac[1]- damaged crown/ regrowth; no access onto property.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												
70 Minnamurra Rd: rear garden/ above retaining wall adj. to rear bdy. No.41 Neeworra Rd.	single tree	10ar(i)	Ac [1]	60-80+	12m	12m	good	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; exotic garden; Ac[1]- some pruning; dom. weeds; no access.
72 Minnamurra Rd: rear garden/ upper level & scarp	two trees s/s scarp s/s outcrops	10ar(i)	Ac [1] Ac [1] Ceg [1]	80-100+ 60-80+ 50-60+	10m 8m 3m	16m 12m 3m	good good good/ lopped	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; exotic garden; Ac[1]-old growth spec./ some pruning/ some dead wood; Pu regrowth; generic native planting; dom. weeds/ upper level [<i>Ligustrum</i> , <i>Lantana</i> , <i>Asparagus</i> spp.]; no access.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 54-68 & 72 Minnamurra Road & 29-37 Neeworra Road.												

80 Minnamurra Rd: front garden/ rock outcrops	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops; recent residential development/ landscaping; no remnant native spp.
82 Minnamurra Rd: front garden/ upper terrace level	single tree s/s scarp	10ar(i)	Ac [1] Gf	?100-150+ <5	9m	15m	good regen.	varies: 4-5 [mainly 5]	low	isolated	T&BPO	significant s/s scarp & rock outcrops; terraced garden; Ac[1]- outstanding multi-trunked(3) old growth specimen/ 1000mm diam. base; some dead wood; Pu regrowth; remnant natives [<i>Microlaena</i> sp.]; dom. weeds [<i>Ochna</i> , <i>Cotoneaster</i> , <i>Nephrolepis</i> spp.].
												Survey Date: 16 Mar-20 Mar 2009
86 Minnamurra Rd: rear garden/ upper level adj. to rear bdy. [Kameruka Road frontage].	single tree s/s outcrops	10ar(i)	Eha [1]	80-100+	8m	14m	good	5	low	isolated	T&BPO	small courtyard; Eha [1]- old growth spec./ some dead wood & minor pruning; generic native planting.
Minnamurra Road - Road Reserves and Drainage Easements:												Survey Date: 4 May-8 May 2009
public verge/ rock outcrops s/s cutting adj. to front bdy. Nos. 2A-6 Minnamurra Rd.	s/s outcrops s/s cutting tree group remnant community	10ar(i)	Bs [1] Al [2] Cgu [1] Pu	80-100+ up to 30-40+ 15-20+ up to 30-40+	3m up to 3m 1.5m up to 3m	8m up to 3m 1.5m up to 3-4m	good good/ fair good/ lopped good/ regrowth	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant rock outcrops/ road cutting; highly modified/ no native canopy; Bs [1]- old growth/ multi-trunk spec.; ext. pruning to all trees/ o/head power- lines; remnant natives [<i>Leptospermum</i> <i>Dodonaea</i> , <i>Acacia</i> , <i>Pteridium</i> spp.]; dom. weeds [<i>Lantana</i> , <i>Senna</i> , <i>Olea</i> , <i>Nephrolepis</i> , <i>Cardiospermum</i> spp.]; gen. native planting [<i>Callistemon</i> sp.].
public verge adj. to No.8 Minnamurra Rd.	two trees	10ar(i)	Ac [1] Bint [1]	50-60+ 15-20+	8m 4m	12m 4m	good good	5	low	restricted	T&BPO	mown grass; Ac [1]- heavily pruned/ adj. to power-pole/ some dead wood; Bint [1]- possibly cultivated origin.
Minnamurra Road - Public Reserves:												Survey Date: 11 May-15 May 2009
Killingsworth Reserve (Clive Park Group) Refer to Minimbah Road - Public Reserves for Killingsworth Reserve listings.												
Namoi Road - Residential Properties:												Survey Date: 13 Oct-17 Oct 2008
2A [A2] Namoi Rd: front garden/ upper level/ rock outcrops [adj. to Ulric Lane]	s/s outcrops s/s scarp remnant community	10ag(i)	Ka [1] Ceg [1] Cal [1]	40-50+ 80-100+ 40-50+	4m 6m 3m	6m 5m 4m	good good good/ regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	T&BPO	significant rock outcrops/ scarp; exotic garden; Ceg [1]- old growth multi-stem (8)specimen; Cal[1]- multi-stem; native ferns [<i>Todea</i> , <i>Doodia</i> spp.]; <i>Cyathea</i> / <i>Dicksonia</i> spp.[cultivated origin]/ other
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 1-11 and through upper rear gardens of 13-37 Upper Cliff Avenue [see listings].												
Narani Crescent - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
14 Narani Crescent: upper front garden near entry steps	single tree s/s outcrops	10ar(i)	Aba [1]	80-100+	5m	7m	good	5	low	isolated	T&BPO	Aba [1]- old growth multi-trunked (3) spec.; terraced garden/ rock outcrops; exotics/ weeds [<i>Nephrolepis</i> sp.].

Narooma Road - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
2 Narooma Road: front garden	two trees	10ar(i)	Eha [2]	60-80+	9m	12-14m	good	5	low	restricted	T&BPO	Eha [2]- lawn area/ some dead wood in crowns; Pu regrowth.
Narooma Road - Road Reserves and Drainage Easements:												Survey Date: 16 Mar-20 Mar 2009
public verge/ steep embankment adj. to south-eastern bdy. No.43 Narooma Rd.	single tree	10ag(i)	Gf [1]	50-60+	7m	8m	good	5	low	isolated	T&BPO	Gf [1]- multi-stemmed spec.; dom. weeds [incl. <i>Cinnamomum</i> , <i>Olea</i> , <i>Nephrolepis</i> spp.]; Pu regrowth.
public verge adj. to No.2 Narooma Rd.	single tree	10ar(i)	Eha [1]	30-40+	7m	4m	fair/ lopped	5	low	isolated	T&BPO	mown grass; Eha [1]- ext. physical damage/ dead wood; pruning for o'head powerlines.
public verge adj. to No.6 Narooma Rd.	single tree	10ar(i)	Eha [1]	60-80+	9m	14m	good	5	low	isolated	T&BPO	mown grass; Eha [1]- some pruning/ alignment adj. to o'head powerlines.
pedestrian pathway/ right-of-way; Renshaw Lane [Lane W49]/ between Nos.17&19 Narooma Rd.	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	rock outcrops; dom. weeds; generic & local native planting [incl. g/covers]; <i>Cyathea</i> sp. [cultivated origin].
Neeworra - Residential Properties:												Survey Date: 11 May-15 May 2009
29 Neeworra Rd: rear garden/ lower steep slope	tree group s/s outcrops	10ar(i)	Ceg [1] Pu [3]	40-50+ up to 40-50+	6m up to 5-8m	2m up to 7m	good good/ regrowth	5	low	restricted	T&BPO	significant s/s outcrops; exotic garden no native canopy spp.; dom. weeds [<i>Nephrolepis</i> , <i>Tradescantia</i> spp.].
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 29-37 Neeworra Road & 54-68 & 72 Minnamurra Road.												
31 Neeworra Rd: rear garden/ lower level/ rock outcrops	single tree s/s outcrops	10ar(i)	Ac [1]	60-80+	7m	12m	good	5	low	restricted	T&BPO	significant s/s outcrops; exotics/ dom. weeds; recent construction/ clearing.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 29-37 Neeworra Road & 54-68 & 72 Minnamurra Road.												
33 Neeworra Rd: rear garden/ below pool deck	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant s/s scarp & rock outcrops; new residence; weeds; no native canopy; subject to bdy. survey.
Note: Locally significant sandstone scarp/ rock shelf extending along rear boundaries of 29-37 Neeworra Road & 54-68 & 72 Minnamurra Road.												
37 Neeworra Rd: rear garden/ lower level/ rock outcrops	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant s/s outcrops; exotic garden weeds; no native canopy; native ferns/ g/covers may be present.
Noonbinna Close - Road Reserves and Drainage Easements:												Survey Date: 9 Nov-13 Nov 2009
public road reserve [unmade lower section] adj. to roadway/ cul-de-sac	tree group s/s outcrops	10ag(i)	Ac [4] Ac [1] Egl [1] Pu [dom.] Ac Eha [3] Epip [1] Ka	50-80+ 30-40+ 80-100+ up to 20-30+ <5 10-20+ 15-20+ <5	16-18m 12m 18m up to 5-7m <1m 3-9m 9m <1.5m	up to 18m 4m 18m varies <0.5m 3-7m 3m <1.5m	good good fair good/ regrowth good/ regen. fair[2]/ v.poor[1] fair good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	highly disturbed/ modified remnant native community; significant native canopy/ tree group incl. Egl [1]- old growth spec./ 900mm diam. base/ some dead wood; Gf/Pu mesic (dom.) understorey; area under bushcare program; ext. generic & local native planting (unknown provenance) [incl. <i>Dianella</i> , <i>Lomandra</i> , <i>Banksia</i> , <i>Acacia Callicoma</i> spp.]; <i>Euc. botryoides</i> X2 [16m HT] & Eha/ Epip/ Ka (immature)-

												likely cultivated; <i>Gahnia</i> sp.- possibly remnant native sedge; dom. weeds.
fenced drainage reserve/ modified creek-line [incl. gully & embankment]			Ac [1] Al [1] Cal [1] Pu [dom.] Epu [1]	15-20+ 40-50+ 15-20+ up to 20-30+ 40-50+	9m 9m 6m up to 6-8m 10m	1m 6m 3m varies 8m	v.poor good fair good/ regrowth poor	5	low			Ac [1]- ext. die-back/ possibly planted; Cal [1]- possibly cultivated origin; <i>Cyathea</i> sp.-cultivated origin; Epu [1]- crown die-back & dead wood/ high level of competition from exotic/ weed canopy; weed thicket/ understory [<i>Erythrina</i> , <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Acer</i> , <i>Lantana</i> , <i>Nephrolepis</i> spp.].
For listings on upper embankment/ grass verge refer to Kameruka Road - Road Reserves and Drainage Easements.												
Noonbinna Crescent - Residential Properties:												Survey Date: 9 Nov-13 Nov 2009
NOTE: Access to some foreshore properties was either restricted or denied. Access to very steep foreshore slopes was prohibitive in some instances. All listings are subject to boundary survey.												
1 Noonbinna Cres: rear garden/ mid-slope adj. to bdy. No.5A [same level as No.5A residence]	tree group s/s outcrops	10ag(i)	Ac [1]	80-100+	22m	25m	good	5	low	fragmented	T&BPO SREP 23	terraced exotic garden; significant s/s outcrops; Ac [1]-old growth specimen; dom. exotics/ weeds.
steep lower slope			Pu [dom.]	up to 20-30+	up to 5-7m	varies	regrowth	varies: 4-5 [mainly 5]	low			steep slope/ dense weed thicket [incl. <i>Lantana</i> , <i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Ochna</i> , <i>Nephrolepis</i> , <i>Cardiospermum</i> , <i>Tradescantia</i> spp.]; Pu regrowth.
rock outcrops/ adj. to water-line	remnant community		Epip [1] Epip [1] Ceg [dom.] Had/ Er	80-100+ 60-80+ up to 40-50+ up to 5-10+	16m 8m up to 4-5m <2m	18m 12m varies <1m	fair good good good	varies: 1-5	high-low	contiguous		Epip [1]- old growth spec./ dead wood; significant remnant native community on steep slope to water-line [<i>Hakea</i> , <i>Ceratopetalum</i> , <i>Smilax</i> , <i>Xanthorrhoea</i> <i>Crowea</i> , <i>Lepidosperma</i> , <i>Lomandra</i> , <i>Dianella</i> spp.]; <i>Xanthorrhoea</i> sp.-part of larger significant group [see listings for Coorabin Rd & Noonbinna Cr.]; listings subject to boundary survey; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
												Survey Date: 31 Aug-4 Sep 2009
1A Noonbinna Cres: rear garden/ steep upper slope [below pool terrace]	tree group s/s outcrops s/s scarp	10ag(i)						varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	significant s/s scarp & rock outcrops; recent loss of mature Ac X2/ storm damage; clearing/ restoration planting incl. local natives [<i>Hakea</i> , <i>Kennedia</i> , <i>Acacia</i> spp.]; dom. exotics/ weeds.
mid-slope/ top of lower scarp			Ac [1]	30-40+	12m	8m	good					cleared slope/ needs follow-up weed- ing/ restoration; remnant natives [incl. <i>Dianella</i> sp.; weeds [incl. <i>Asparagus</i> , <i>Cardiospermum</i> , <i>Nephrolepis</i> spp.].
very steep lower slope/ rock outcrops to water-line	remnant community		Epip [1] Had/ Ceg	50-60+ up to 20-40+	16m up to 3-7m	12m varies	good good	varies: 1-5 [mainly 1-2]	high-low	contiguous		significant native remnant community on lower steep slope; no access; high

			Pu [dom.] Gf/ Er Al Xa	up to 20-30+ up to 20-30+ up to 15-20+ unknown	up to 4-6m up to 3-6m up to 4-6m <1.5m	varies varies varies <1.5m	good/ regrowth good/ regrowth good good					biodiversity/ good native regen. [incl. <i>Grevillea linearifolia</i> , <i>Allocasuarina</i> , <i>Hakea</i> , <i>Xanthorrhoea</i> , <i>Crowea</i> spp.]; Pu regrowth; <i>Xanthorrhoea</i> sp.-part of larger significant group [see listings for Nos.13-21 Coorabin Rd]; weeds [incl. <i>Cinnamomum</i> sp.]; listings subject to boundary survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
												Survey Date: 10 Aug-14 Aug 2009
2A Noonbinna Cres: rear garden/ [western garden]	single tree s/s scarp s/s outcrops	10ag(i)	Gf [1]	60-80+	10m	12m	good	5	low	restricted	T&BPO	significant s/s scarp & rock outcrops; exotic garden [<i>Liquidambar</i> sp.]/ dom. weeds [<i>Nephrolepis</i> , <i>Tradescantia</i> , <i>Anredera</i> spp.]. Gf X1 dead on verge.
Survey Date: 9 Nov-13 Nov 2009												
5A Noonbinna Cres: front garden/ upper terraces adj. to driveway	tree group s/s outcrops	10ag(i)	Epip [1] Ac [1] Pu	?100-150+ 40-50+ up to 30-40+	16m 15m up to 7-8m	25m 12m up to 7-8m	good good good/ regrowth	5	low	fragmented	T&BPO SREP 23	steep slope/ terraced exotic garden; significant rock outcrops; Epip [1]- adj. to rear bdy. No.5- massive old growth specimen/ 1200mm diam. base; some dead wood; Ac [1]- adj. to driveway; Ceg [1]-damaged crown; <i>Cyathea</i> sp. (dom.)- cultivated origin; dom. weeds.
upper creek-line/ scarp & rock outcrops adj. to bdy. No.7	s/s scarp		Ceg [1]	40-50+	8m	2m	fair			restricted		dom. exotics/ weeds [<i>Olea</i> , <i>Ochna</i> , <i>Cinnamomum</i> , <i>Ligustrum</i> spp.].
rear garden/ upper terrace [adj. to house]			Ac [2] Ceg [1]	50-80+ 30-40+	16-18m 3m	15-18m 2m	good good					dom. exotics/ weeds [<i>Olea</i> , <i>Ochna</i> , <i>Cinnamomum</i> , <i>Ligustrum</i> spp.].
steep slope/ rock outcrops [below upper terrace]			Pu [dom.]	up to 50-60+	up to 8-9m	varies	regrowth					significant rock formations/ scarp; no native canopy; Pu regrowth; dom. weeds [<i>Nephrolepis</i> spp.].
lower slope & gully to water-line	remnant community		Ac [1] Epip [4] Epu [1] Bs [1] Ceg Er Al Pu [dom.]	60-80+ 30-40+ 20-30+ 40-50+ up to 40-50+ up to 20-30+ up to 30-40+ up to 20-30+	16m 7-9m 10m 8m up to 4-6m up to 5-6m up to 6-8m up to 5-6m	8m 7-10m 9m 6m up to 1-2m up to 2-3m varies varies	fair good fair good good good good/ regrowth	varies: 2-3	high-medium	contiguous		Ac [1]- ext. dead wood/ regrowth; significant remnant native community/ high biodiversity on lower steep slope to water-line [incl. <i>Grevillea</i> , <i>Crowea</i> , <i>Podocarpus</i> , <i>Gahnia</i> , <i>Xanthorrhoea</i> , <i>Dodonaea</i> , <i>Lepidosperma</i> , <i>Entolasia</i> , <i>Lomandra</i> , <i>Smilax</i> spp.]; weeds; listings subject to boundary survey; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
7 Noonbinna Cres: rear garden/ upper to mid-slope [upper scarp]	tree group s/s outcrops s/s scarp remnant community	10ag(i)	Ac [2] Gf [1] Er [1] Gf/ Pu Er [5]/ Al [2] Ac	50-60+ 15-20+ 20-30+ up to 30-40+ up to 10-20+ <5	14-16m 7m 1.5m up to 6-7m up to 3-6m <1m	9-12m 5m 0.5m varies up to 2-4m <1m	good good good/ lopped good/ regrowth good good/ regen.	varies: 4-5 [mainly 5]	low	fragmented	T&BPO SREP 23	steep slope/ terraced exotic garden; owner occupied since 1950s; native canopy largely cleared; significant s/s outcrops along upper creek-line [adj. to bdy. No.5A]; remnant natives [incl. <i>Xanthorrhoea arborea</i> , <i>Podocarpus</i>

												<i>spinulosus</i> , <i>Dianella</i> spp.]; Pu(dom.)/ Gf regrowth; <i>Cyathea</i> sp.- cultivated origin; dom. weeds [<i>Cinnamomum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.];
lower slope/ scarp & gully incl. lower creek-line/ boulders			Ac [1] Epip [1] Cal [2+] Al [3]	60-80+ 40-50+ up to 40-50+ up to 40-50+	16m 10m up to 2m 6-9m	10m 8m up to 3-4m varies	good poor poor/ regrowth varies	varies: 2-5	high-low			significant rock outcrops & scarp; Epip [1]- ext. dead wood; Cal [2+]- possible herbicidal damage; remnant natives [<i>Calochlaena</i> sp.]; dom. weed thicket [incl. <i>Lantana</i> , <i>Ligustrum</i> spp.]; rainforest planting [<i>Brachychiton</i> sp.].
rock outcrops to water-line			Ac [1] Epip [2] Fru [1] Gf/ Pu Ac/ Er [dom.]	30-40+ 60-80+ 20-30+ up to 30-40+ <5	9m up to 8-9m 6m up to 6-7m <1.5m	5m varies 7m varies <0.5m	good fair good good/ regrowth good/ regen.					Epip [2]- ext. adventitious growth; natives [<i>Acacia terminalis</i> , <i>A. linifolia</i> , <i>Smilax</i> , <i>Lepidosperma</i> , <i>Polyscias</i> spp.]; weeds; cultivated natives [<i>Euc.</i> <i>elata</i>]; listings subject to bdy. survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
9 Noonbinna Cres: rear garden/ upper slope adj. to bdy. No.7 to mid-slope [below pool]	tree group s/s outcrops	10ag(i)	Ac [1] Fru [1] Pu [dom.] Gf [1] Gf/ Er	50-60+ 50-60+ up to 30-40+ 60-80+ up to 10-15+	12m 7m up to 6-7m <1m <2m	8m 12m varies <1m <1m	fair good good/ regrowth lopped good/ lopped	varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	exotic garden; cleared upper slope; significant s/s outcrops; Ac [1]-adj. to deck/ damaged crown; Fru [1]- multi- stemmed; remnant natives [<i>Cissus</i> <i>antarctica</i> , <i>Dodonaea</i> , <i>Pteridium</i> spp.]; grading to dense weed thicket [incl. <i>Solanum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> <i>Lantana</i> , <i>Ligustrum</i> spp];
lower steep slope to tidal zone	remnant community		Ac [dom.] Epip [dom.] Esi [1] Al/ Er	up to 30-40+ up to 60-80+ 80-100+ up to 20-30+	up to 9-12m up to 9-12m 20m up to 5-9m	varies varies 16m varies	good varies fair good	varies: 1-2	high	contiguous		very steep slope; largely intact native canopy/ understorey; Esi [1]/ fair- old growth specimen/ sparse crown w. some dead wood; significant remnant community; high biodiversity [incl. <i>Cissus hypoglauca</i> , <i>Acacia terminalis</i> , <i>Xanthorrhoea</i> , <i>Dodonaea</i> , <i>Grevillea</i> , <i>Leionema</i> , <i>Bauera</i> , <i>Schoenus</i> , <i>Smilax</i> , <i>Epacris</i> , <i>Lepidosperma</i> , <i>Calochlaena</i> spp.]; <i>Xanthorrhoea</i> sp.- part of larger group [see listings for Coorabin Rd & Noonbinna Cres.]; minimal weeds [<i>Asparagus</i> sp.]; listings subject to bdy. survey; no access onto property.
DATA INCOMPLETE Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
10 Noonbinna Cres: front garden/ adj. to bdy. public right-of-way	tree group s/s outcrops	10ag(i)	Esi [1] Ac [1] Ceg [1]	80-100+ 50-60+ 40-50+	12m 12m 2.5m	16m 10m 2m	good good good/ lopped	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	exotic garden/ lawn/ group assoc. w. s/s outcrops; Esi [1]- old growth spec. Ceg [1]-on bdy./ pruning under o'head power-lines; part of larger native tree group [see listing below]; natives [incl.

												<i>Pteridium, Lomandra</i> spp.]; also gen. native planting [<i>Corymbia citriodora</i>].
rear garden/ adj. to right-of-way			Gf [1]	40-50+	7m	8m	good					exotic garden/ lawn; weeds.
Refer to listing for Noonbinna Crescent - Road Reserves and Drainage Easements.												
												Survey Date: 14 Dec-18 Dec 2009
11 Noonbinna Cres: rear garden/ upper slope to mid-slope [adj. to western bdy. to No.11A Noonbinna Cr.]	tree group s/s outcrops	10ag(i)	Ac [2] Ac [1] Gf [2] Ceg [12+] Al/ Er Pu/ Gf Ple [1] Rv	80-100+ 20-30+ 20-30+ up to 60-80+ up to 15-20+ up to 20-30+ unknown unknown	16-18m 9m 5-8m up to 6-8m up to 4-7m up to 6-7m 2m <1m	18-22m 4m 4-7m up to 3-5m varies varies 2m <1m	good good good good good good/ regrowth good good	varies: 2-5	high-low	contiguous	T&BPO SREP 23	exotic terraced garden; cleared upper eastern slope; significant s/s outcrops; significant remnant native tree group - Ac/ Ceg (dom.) incl. 2X Ac old growth, multi-trunk spec./ some dead wood; native understorey [<i>Cissus antarctica</i> , <i>C. hypoglauca</i> , <i>Rapanea variabilis</i> , <i>Acacia terminalis</i> , <i>Dianella</i> , <i>Pteridium</i> spp.]; cultivated generic natives [<i>Euc. botryoides</i>] & rainforest trees [<i>Toona australis</i> , <i>Ceratopetalum apetalum</i> , <i>Polyscias</i> , <i>Syzygium</i> spp.]; weeds dom. [incl. <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.].
lower steep slope/ rock outcrops to tidal zone	remnant community		Cgu [3] Epu [1] Epip [1] Epu [1] Ple [3] Al/ Had Er/ Ceg Xa [7+] Ac Rv	40-60+ 15-20+ 20-30+ 5-10+ unknown up to 10-20+ up to 10-20+ unknown <5 unknown	9-12m 9m 5m 5m <1.5m up to 4-6m up to 4-6m <1.5m <1m <1m	5-7m 4m 8m 4m <1m varies varies <1.5m <1m <1m	fair/ good good good good good good good good good/ regen. good	varies: 1-2	high	contiguous		steep slope; significant rock outcrops; largely intact native canopy/ understorey; minimal weeds [<i>Ochna</i> sp.]; significant remnant native community/ high biodiversity [incl. <i>Leptospermum trinervium</i> , <i>Banksia spinulosa</i> , <i>Caustis flexuosa</i> , <i>Woolfsia pungens</i> , <i>Grevillea linearifolia</i> , unidentified <i>Grevillea</i> sp., <i>Platysace linearifolia</i> , <i>Comesperma ericinum</i> , <i>Xanthorrhoea</i> , <i>Notelaea</i> , <i>Rapanea</i> , <i>Boronia</i> , <i>Epacris</i> , <i>Polyscias</i> , <i>Leucopogon</i> , <i>Crowea</i> , <i>Aotus</i> , <i>Acacia</i> , <i>Dodonaea</i> , <i>Schoenus</i> , <i>Lepidosperma</i> , <i>Austrostipa</i> , <i>Anisopogon</i> , <i>Smilax</i> spp.]; <i>Xanthorrhoea</i> sp. part of larger group [see listings for Coorabin Rd & Noonbinna Cr.]; listings subject to bdy. survey; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
11A Noonbinna Crescent: front garden		10ag(i)						5	low	restricted	T&BPO SREP 23	exotic garden; generic native planting [incl. <i>Corymbia citriodora</i>].
rear garden/ upper slope	tree group s/s outcrops		Ceg [1] Ac [3]	unknown 20-40+	2.5m 12-14m	1.5m 6-8m	good/ lopped good	varies: 4-5 [mainly 5]	low	fragmented		exotic garden; highly modified upper slope; significant s/s outcrops & scarp;

on bdy. to No.11	s/s scarp		Ac [1] Ac [1] Ceg [7+] Al [1] Gf/Pu [dom.] Er [2+]	50-60+ 80-100+ up to 50-80+ 30-40+ up to 20-30+ <5	16m 18m up to 6-8m 9m up to 5-7m up to 3m	9m 18m up to 2-4m 5m varies <1m	good good good fair good/ regrowth good					significant remnant Ac/ Ceg group; remnant natives [<i>Elaeocarpus</i> , <i>Acacia</i> , <i>Pteridium</i> , <i>Calochlaena</i> spp.]; Pu regrowth; generic native planting [incl. <i>Euc. nicholii</i>]; dom. weeds [<i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Lonicera</i> , <i>Asparagus</i> , <i>Olea</i> spp.].
mid-slope [upper level]			Cgu [1] Bs [1] Er [1] Al/ Ceg Fru [1]	40-50+ 30-40+ 20-30+ up to 10-20+ <5	9m 6m 1m up to 5-6m 1m	7m 6m 0.5m varies 0.5m	fair good good/ lopped good good					cleared slope/ some native regrowth [incl. <i>Pteridium</i> sp.]; Cgu [1]/ fair- damaged crown/ adventitious growth; dom. weeds [<i>Lantana</i> , <i>Lonicera</i> spp.].
mid-slope [lower level] & steep lower slope [above boulders/ rock outcrops]			Cgu [1] Cgu [4] Bs [1] Al/ Ceg/ Er	60-80+ 15-20+ 10-15+ up to 10-20+	15m 7-12m 4m up to 4-6m	9m 2-5m 2m varies	good good good good					significant rock outcrops/ boulders; largely cleared/ modified; some native regrowth [incl. <i>Cissus hypoglauca</i>]; dense weed thicket <1.5m HT.
lower steep slope/ boulders & rock outcrops to tidal zone	remnant community		Xa [20+] Cgu [1] Epip/Cgu/Ac Al/ Had/ Er Bs/ Ceg Epip [2] Ac [1] Be [2] Ple [1]	unknown 20-30+ <5 up to 10-15+ up to 10-15+ unknown 20-30+ 20-30+ ?15-20+	<1.5m 10m up to 3-4m up to 3-6m up to 3-6m 3-6m 9m up to 3m 1m	<1.5m 5m up to 2-3m varies varies 3-7m 6m up to 6m 0.5m	good good good good good fair fair good good	varies: 1-3 [mainly 1-2]	high-medium	contiguous		significant remnant native community; high biodiversity/ good native regen. on steep lower slope; minimal weeds; significant group of <i>Xanthorrhoea</i> sp. incl. many old growth specimens/ part of larger group [see listings: Coorabin Road & Noonbinna Cres.]; Epip [2]/ fair- ext. dead wood/ new epicormic growth; Ac [1]/ fair- ext. dead wood; large standing dead tree [Epip]; native understorey [incl. <i>Acacia terminalis</i> , <i>Caustis flexuosa</i> , <i>Banksia ericifolia</i> , <i>B. spinulosa</i> , <i>Persoonia levis</i> , <i>Crowea</i> , <i>Dodonaea</i> , <i>Breyenia</i> , <i>Polyscias</i> , <i>Aotus</i> , <i>Notelaea</i> , <i>Grevillea</i> , <i>Woollsia</i> , <i>Smilax</i> , <i>Billardiera</i> , <i>Micrantheum</i> , <i>Gonocarpus</i> , <i>Lasiopetalum</i> , <i>Schoenus</i> , <i>Entolasia</i> , <i>Lepidospermum</i> spp.]; listings subject to boundary survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
												Survey Date: 23 Nov-27 Nov 2009
15 Noonbinna Cr: rear garden/ upper slope [fenced section]	tree group s/s outcrops s/s scarp remnant	10ag(i)	Ac [1] Gf [1] Epu [1] Abin [1]	?100-150+ 20-30+ 50-60+ 15-20+	18m 8m 10m 7m	25m 5m 9m 7m	good good fair poor	5	low	fragmented	T&BPO SREP 23	no access; exotic terraced garden/ lawn; Ac [1]- outstanding old growth spec.; Epu [1]- dead wood in crown; also generic native planting.
mid-slope below fenced area/ adj. to bdy. No.17	community		Ceg/ Al/ Er Cgu [1] Cgu [1]	up to 20-40+ 80-100+ 30-40+	up to 5-6m 18m 9m	varies 10m 4m	good poor good	varies: 2-5	high-low			significant native tree group [Ac/ Cgu]; subject to bdy. survey; no access; Cgu [1]/ poor-ext. dead wood/ decline;

adj. to fenced garden			Ac [1] Ac [2] Ac [1] Pu/ Gf	60-80+ 40-60+ 20-30+ up to 30-40+	16m 14-15m 8m up to 5-7m	16m 6-10m 5m varies	good good good good/ regrowth					native understorey [incl. <i>Allocasuarina/</i> <i>Ceratopetalum</i> (co-doms.), <i>Lomandra</i> , <i>Gahnia</i> , <i>Schoenus</i> , <i>Lepidosperma</i> spp.]; dom. weeds.
steep lower slope/ rock outcrops & boulders to tidal zone			Epu [1] Al [dom.] Pu [dom.] Had/ Er Ple [1] Be [1] Xa [20+] Ac/ Cgu	20-30+ up to 20-30+ up to 20-30+ up to 20-30+ unknown 20-30+ varies <5	10m up to 5-7m up to 7-8m up to 4-6m 3m 7m <1.5m <2m	9m varies varies varies 5m 9m <2m <1m	good good good/ regrowth good good good good good/ regen.	varies: 1-3 [mainly 2-3]	high-medium			v. significant rock outcrops/ boulders; varying level of disturbance/ weed invasion; standing dead trees/ possible <i>Phytophthora</i> sp. [as in adj. listings Nos.17 & 21]; listings subject to bdy. survey; relatively intact understorey/ high biodiversity on steep lower slope [incl. <i>Persoonia</i> , <i>Dodonaea</i> , <i>Caustis</i> , <i>Leucopogon</i> , <i>Micrantheum</i> , <i>Banksia</i> , <i>Acacia</i> , <i>Pteridium</i> , <i>Dianella</i> (2X spp.), <i>Crowea</i> , <i>Deyeuxia</i> , <i>Entolasia</i> , <i>Smilax</i> spp.]; v.significant group <i>Xanthorrhoea</i> sp.[20+] incl. many old growth specs./ part of larger group [see listings for Coorabin Rd & Noonbinna Cres.]; Epu [1]-some dead wood; good regen. native canopy spp. [Ac/ Cgu]; weeds [incl. <i>Cinnamomum</i> , <i>Lantana</i> , <i>Ochna</i> , <i>Asparagus</i> , <i>Watsonia</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
17 Noonbinna Crescent: front garden/ adj. to bdy. No.15	single tree	10ag(i)	Gf [1]	40-50+	6m	6m	fair	5	low	restricted	T&BPO SREP 23	exotic garden; generic native planting [<i>Euc.</i> spp.]; Ceg X1- likely planted.
rear garden/ upper steep slope above upper sandstone scarp	tree group s/s outcrops s/s scarp remnant community		Ceg [dom.] Pu/ Gf Al/ Had/ Er Fru [1] Abin Ac/ Cgu	up to 30-50+ up to 30-50+ up to 15-20+ 5-10+ up to 15-20+ <5	up to 5-7m up to 5-7m up to 3-6m 3m up to 6-8m up to 3-4m	up to 2-3m varies up to 2-3m 3m up to 5m up to 2m	good regrowth good good good good/ regen.	varies: 3-5 [mainly 5]	medium-low	fragmented		owner confirmed bdy.; exotic garden/ steep upper slope; highly disturbed/ modified; natives [incl. <i>Ceratopetalum</i> (dom.), <i>Acacia</i> , <i>Allocasuarina</i> , <i>Hakea</i> , <i>Grevillea</i> , <i>Gonocarpus</i> , <i>Calochlaena</i> , <i>Pteridium</i> , <i>Lepidosperma</i> , <i>Lomandra</i> , <i>Gahnia</i> , <i>Dianella</i> , <i>Smilax</i> , <i>Entolasia</i> spp.]; also gen./ local native planting [incl. <i>Banksia ericifolia</i> , <i>Angophora</i> <i>floribunda</i>]; <i>Cyathea</i> sp.- cultivated origin; Pu regrowth; dom. weeds [incl. <i>Nephrolepis</i> , <i>Lonicera</i> , <i>Passiflora</i> spp.].
top of scarp/ rock shelf & outcrops			Ac [1] Al [dom.] Abin/ Had Ac [1] Epu [1]	80-100+ up to 20-40+ up to 20-40+ 30-40+ 30-40+	16m up to 6m up to 6-8m 12m 7m	16m varies up to 3-5m 10m 10m	fair good good v.poor good	varies: 2-5	high-low			significant s/s scarp/ rock formations & outcrops; varying level of disturbance/ weeds; Ac [1]/ fair- adj. to bdy. No.21/ old growth specimen/ ext. dead wood; Ac [1]/ v.poor- ext. crown die-back

												(90%); high biodiversity [see above/ incl. <i>Bauera</i> sp.].
lower scarp [upper portion] incl. rock overhang/ shelter			Fru [2] Pu/ Gf Al/ Abin/ Had Rv	up to 30-40+ up to 30-40+ up to 15-20+ unknown	7-9m up to 7-9m up to 5-6m <1.5m	6-8m varies varies <1m	good good/ regrowth good good					significant s/s overhang/ shelter; likely Aboriginal midden/ not recorded (ext. shell fragments embedded in ground layer); native mesic understorey/ vine thicket [<i>Cissus hypoglaucia</i> , <i>Notelaea</i> , <i>Rapanea</i> , <i>Lasiopetalum</i> , <i>Gleichenia</i> <i>dicarpa</i> / <i>G. microphylla</i> , <i>Blechnum</i> <i>ambiguum</i> / <i>B. cartilagineum</i> , <i>Smilax</i> , <i>Pteridium</i> , <i>Calochlaena</i> , <i>Eustrephus</i> , <i>Stephania</i> spp.]; Pu (dom.) regrowth; weeds [<i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Lantana</i> , <i>Ochna</i> spp.].
steep lower slope/ rock outcrops to tidal zone			Al [1] Pu [dom.]/Al Epip [1]	60-80+ up to 20-30+ 5-10+	12m up to 5-6m 3m	7m varies 5m	poor good/ regrowth fair	varies: 3-5	medium-low			no remaining native canopy; standing dead trees/ possible <i>Phytophthora</i> sp. site; Al [1]/ poor- 50% crown die-back; natives [<i>Cissus hypoglaucia</i> (dom.), <i>Xanthorrhoea</i> , <i>Schoenus</i> , <i>Dianella</i> , <i>Lepidosperma</i> sp.]; dom. weeds [incl. <i>Asparagus</i> , <i>Rhus</i> , <i>Senna</i> spp.]. <i>Avicennia marina</i> - in tidal zone.
<p>Note: No record of Aboriginal Archaeological Site [NPWS/ DECCW] in WCC Bushland POM (2000).</p> <p>Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.</p>												
21 Noonbinna Cr: rear garden/ upper slope & gully [below upper scarp & staircase]	tree group s/s scarp s/s outcrops remnant community	10ag(i)	Gf [1] Pu [dom.] Ceg/ Er	30-40+ up to 30-40+ up to 20-30+	9m up to 7-9m 7-8mm	4m varies 2-5m	good good/ regrowth varies	varies: 4-5	low	restricted	T&BPO SREP 23	no access onto site; exotic garden/ ext. clearing/ modification; dom. weeds; no native canopy; remnant natives/ mesic shift [Pu/ Gf regrowth]; generic native planting; dom. weeds.
mid-slope above lower scarp adj. to bdy. No.23 Noonbinna Cres.			Al [dom.] Ceg [1] Abin/ Pu/ Er Ple [1]	up to 15-30+ 40-50+ up to 20-30+ unknown	up to 2-5m 8m up to 4-6m 2m	varies 3m varies 2m	good good good good	varies: 1-3	high-medium	fragmented		bdy. confirmation w. owner of No.23; varying level disturbance/ modification; good regen./ high biodiversity in under- storey [incl. <i>Persoonia levis</i> , <i>Acacia</i> <i>binervia</i> , <i>Hakea teretifolia</i> , <i>Lambertia</i> <i>Allocasuarina</i> , <i>Notelaea</i> , <i>Grevillea</i> , <i>Breynia</i> , <i>Polyscias</i> , <i>Lepidosperma</i> (dom.), <i>Pteridium</i> , <i>Schoenus</i> spp.].
top of lower scarp/ rock shelf			Ka [1] Abin/ Pu/ Al Epu [1] Ac/ Abin/ Ka	?40-50+ up to 15-20+ 5-10+ <5	7m up to 5-7m 4m <2m	9m varies 3m <1m	poor good good good/ regen.	varies: 1-4	high-low			varying level of disturbance/ weed invasion; good regen./ high biodiversity [spp. as above/ also <i>Echinopogon</i> , <i>Dichelachne</i> spp.];
steep lower slope [below lower scarp] to tidal zone			Al/ Had Ceg/ Er/ Pu Fru [1]	up to 20-30+ up to 20-30+ 10-15+	up to 5-7m up to 5-7m 5m	varies varies 5m	good good see notes					significant s/s scarp & rock outcrops adj. to significant overhang/ shelter & midden site [see adj. listing for No.17];

			Cea [1] Abin [1] Ac/ Al/ Ka	5-10+ 5-10+ <5	4m 7m <2m	1m 4m <1m	good good good/ regen.					highly modified; no remaining native canopy; standing dead trees/ possible <i>Phytophthora</i> sp. [as in Nos.15 &17]; Fru [1]- multi-stem [see No.17 listing]; relatively intact understorey/ high biodiversity [<i>Cissus hypoglaucia</i> (dom.) <i>Ceratopetalum apetalum</i> , <i>Notelaea</i> , <i>Dodonaea</i> , <i>Grevillea</i> , <i>Pultenaea</i> , <i>Pteridium</i> , <i>Echinopogon</i> , <i>Lomandra</i> , <i>Themeda</i> , <i>Aristida</i> , <i>Entolasia</i> , <i>Smilax</i> , <i>Eustrephus</i> , <i>Schoenus</i> , <i>Cassytha</i> spp.]; Pu regrowth; dom. weeds [incl. <i>Ligustrum</i> , <i>Asparagus</i> , <i>Tradescantia</i> spp.]; <i>Avicennia marina</i> - in tidal zone.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
												Survey Date: 30 Nov-4 Dec 2009
23 Noonbinna Cr: rear garden/ upper level/ upper scarp & upper slope [below staircase]	tree group s/s scarp s/s outcrops remnant community	10ag(i)/	Gf [1] Er [dom.] Pu/ Gf Fru [1]	60-80+ up to 20-30+ up to 20-30+ 10-15+	9m up to 4-7m up to 5-7m 4m	12m varies varies 3m	good regrowth good/ regrowth good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	exotic garden; significant s/s scarp & rock outcrops; owner confirmed bdy./ bush restoration [since 1970s]; highly modified/ dom. weeds [<i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Celtis</i> , <i>Asparagus</i> , <i>Senna</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> , <i>Passiflora</i> spp.]; ext. generic native planting [incl. <i>Melaleuca quinquenervia</i> , <i>Banksia integrifolia</i> , <i>Cissus antarctica</i> , <i>Sollya</i> , <i>Leptospermum</i> , <i>Austromyrtus</i> , <i>Acacia</i> , <i>Cyathea</i> spp.]; Bs/ Abin- possibly cultivated origin; generic native regen.; remnant native canopy absent/ dead standing trees/ possible <i>Phytophthora</i> sp. [see listings- Nos.15-21]; east bdy. upper slope retains relatively intact native understorey [incl. <i>Persoonia linearis</i> , <i>Podocarpus spinulosus</i> , <i>Cissus hypoglaucia</i> , <i>Breynia</i> , <i>Notelaea</i> , <i>Grevillea</i> , <i>Pteridium</i> , <i>Histiopteris</i> , <i>Echinopogon</i> , <i>Lepidosperma</i> , <i>Smilax</i> , <i>Entolasia</i> , <i>Stephania</i> , <i>Hibbertia</i> spp.];
steep upper slope to mid-slope [above lower scarp]			Bs [1] Ceg [2] Abin [1] Al [1] Had [1] Cgu/ Epu Abin	15-20+ 50-80+ 30-40+ 30-40+ 15-20+ up to 5-10+ <5	6m up to 6-9m 3m 8m 1.5m 1-5m <5m	4m up to 4-6m 10m 4m 3m 1-2m <2m	good good/ fair see notes fair fair good good/ regen.	varies: 2-5	high-low			
mid-slope to top of lower scarp/ rock shelf		10ar(i)/	Ka/ Al Abin [4] Ceg/ Gf Rv [1] Abin	up to 10-15+ up to 30-40+ up to 20-30+ unknown up to 5-10+	up to 1.5-3m up to 7-9m up to 4-5m 2m up to 1.5m	up to 2-3m up to 5-8m varies 5m up to 1-2m	good good good see notes good/ regen.					significant s/s scarp and rock shelf; no steps/ access to lower level; Ka/ Al [co-doms.] on upper scarp/ rock shelf- good native regen./ high biodiversity [as above & <i>Acacia parramattensis</i> ,

adj. to bdy. No.11 Parker St.			Fru [1] Fru [1]	30-40+ 50-60+	5m 3m	5m 12m	good good					<i>Hakea, Breynia, Dodonaea, Dianella, Eustrephus, Imperata, Lomandra, Cheilanthes</i> spp.]; Fru X2 on scarp/ older specimen multi-stemmed; weeds [<i>Lantana, Bryophyllum</i> spp].	
below lower scarp to tidal zone		10ag(i)	Pu	up to 20-30+	up to 5-6m	varies	regrowth	varies: 4-5	low			remnant natives [<i>Cissus hypoglauca</i> (dom.), <i>Pteridium</i> spp.]; <i>Euc. saligna</i> X2 [12-16m HT]- self-sown/ cultivated origin; dom. weeds [incl. <i>Ligustrum, Nephrolepis, Lantana</i> spp.].	
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>													
25-27 Noonbinna Crescent: front garden/ lawn [No.25] adj. to bdy.No.23/ upper driveway	tree group s/s outcrops	10ag(i)	Eha [1]	80-100+	9m	16m	good	5	low	restricted	T&BPO	exotic garden/ owner confirmed bdy.; significant rock outcrops; Eha [1]- old growth spec./ some dead wood & basal cavities; native <i>Dichondra</i> sp.	
			Epu [1]	40-50+	9m	8m	good						Bs [1]- old growth spec.; dom. exotics/ weeds; generic native planting.
rear garden/ rock outcrops adj. to bdy. No.23			Bs [1]	80-100+	7m	7m	good						
35 Noonbinna Crescent: rear garden/ steep slope	tree group s/s outcrops	10ag(i)/ 10ag(iii)	Gf [1] Pu/ Gf	50-60+ up to 20-30+	12m up to 5-8m	7m varies	fair regrowth	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	significant s/s outcrops; Gf [1]- crown die-back; remnant native ferns [incl. <i>Adiantum</i> spp.] dom. weeds [incl. <i>Ligustrum, Senna, Nephrolepis</i> spp.].	
39 Noonbinna Crescent: front garden/ rock outcrops	s/s outcrops remnant community	10ag(i)	Gf/ Ka Bs/ Cal	<5 <5	<1.5m <1.5m	varies varies	good/ regen. good/ regen.	varies: 4-5 [mainly 5]	low	restricted	T&BPO SREP 23	significant s/s outcrops; native canopy absent; Ka/ Cal- possibly planted; native ferns present [incl. <i>Gleichenia</i> sp.]; some weeds.	
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>													
39A Noonbinna Crescent: rear garden [eastern garden]	tree group s/s outcrops remnant community	10ag(i)/ 10ag(iii)	Esi [1] Epu [1] Ceg/ Gf/ Pu Er [dom.]/Al	40-50+ 30-40+ up to 20-30+ up to 10-15+	14m 15m up to 5-6m up to 5-6m	14m 12m varies varies	good poor good/ regrowth good	varies: 2-3	high-medium	fragmented	adj.SEPP 19 /T&BPO SREP 23	significant rock outcrops; site highly disturbed during subdivision/ building works [early 1990s]; Epu X2/poor- ext. dead wood/ decline; minimal weeds; owner confirmed bush regen. strategy [since 1995]; natives [incl. <i>Lomandra obliqua, Polyscias, Lomatia, Dianella, Pteridium, Calochlaena, Blechnum, Microlaena, Smilax</i> spp.]; some gen. native planting [Bint/ <i>Cyathea</i> sp.].	
on bdy. to bushland reserve			Epu [1] Cea [1]	20-30+ 10-15+	8m 6m	3m 3m	poor good						
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i> <i>Refer to Noonbinna Crescent - Public Reserves: Miscellaneous Bushland Reserves (Area A(v)).</i>													
41A Noonbinna Crescent: rear garden/ upper steep slope & terraces [adj. to Area A(iv)]	tree group s/s outcrops	10ag(iii)	Bs [1] Gf [2]	60-80+ 20-30+	8m 7-9m	9m 4m	good good/ regrowth	5	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	exotic terraced garden; significant s/s outcrops; also Gf X1- dead tree; dom. weeds [incl. <i>Ligustrum, Nephrolepis, Ipomoea</i> spp.]; gen. native planting [<i>Casuarina</i> sp.]; no access; listings subject to boundary survey.	
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i> <i>Refer to Noonbinna Crescent - Public Reserves: Miscellaneous Bushland Reserves (Area A(iv)).</i>													
43 Noonbinna Crescent:	tree group	10ag(iii)	Bs [1]	50-60+	8m	5m	good	varies: 3-5	medium-low	fragmented	adj.SEPP 19	exotic terraced/ mulched garden; s/s	

rear garden/ steep slope [adj. to Area A(iii)]	s/s outcrops remnant community		Cea [1] Cea [1] Cea [12+] Cea/ Gf Al [1]	?100-150+ 30-40+ up to 5-15+ <5 <5	10m 9m up to 3-6m <1m 6m	15m 6m up to 2-3m <1m 2m	good good good/ regen. good/ regen. good				/T&BPO SREP 23	outcrops; largely cleared/ min. weeds; Cea [1]-old growth spec./ part of larger significant Cea group extending along creek-line; good regen./ ext. seedlings <i>Ceratopetalum apetalum</i> ; Pu regrowth large dead standing tree- [Epip?]; <i>Cyathea</i> sp.-likely cultivated origin; listings subject to bdy. survey; owner confirmed creek-line as property bdy.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Refer to Noonbinna Crescent - Public Reserves: Miscellaneous Bushland Reserves (Area A(iii)).												
45 Noonbinna Crescent: rear garden/ below scarp [adj. to Area A(ii)]	two trees s/s scarp s/s outcrops	10ag(iii)	Gf [1] Cea [1]	60-80+ 40-50+	12m 12m	8m 9m	fair good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	exotic garden; significant s/s scarp & rock outcrops; highly modified; Gf [1]- ext. adventitious growth; ext. planting [incl. <i>Archontophoenix</i> , <i>Cyathea</i> spp.]; weeds [incl. <i>Asparagus</i> , <i>Nephrolepis</i> spp.]; listings subject to bdy. survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes. Refer to Noonbinna Crescent - Public Reserves: Miscellaneous Bushland Reserves (Area A(ii)).												
59 Noonbinna Crescent: rear garden/ steep slope to gully [adj. to reserve]	s/s scarp s/s outcrops tree group	10ag(iii)	Pu [dom.]	up to 20-30+	up to 9-10m	varies	regrowth	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /T&BPO SREP 23	exotic terraced garden; significant s/s scarp & rock outcrops; highly modified/ no native canopy; native ferns [incl. <i>Cyathea</i> , <i>Blechnum</i> , <i>Davallia</i> , <i>Doodia</i> , <i>Adiantum</i> spp.]- likely cultivated origin; listings subject to boundary survey.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Noonbinna Crescent - Road Reserves and Drainage Easements:											Survey Date: 9 Nov-13 Nov 2009	
public right-of-way/ easement between Nos.10 & 12 Noonbinna Crescent [lower section adj. to cul-de-sac]	two trees s/s outcrops	10ag(i)	Esi [1] Ac [1]	?100-150+ 15-20+	12m 12m	16m 2m	good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	mown grass/ rock outcrops; Esi [1]- multi-trunk (3No.) old growth spec./ (on bdy. to No.10) some dead wood/ pruning under o'head power-lines; part of larger native tree group [see listing for 10 Noonbinna Cr.]; remnant natives [<i>Dianella</i> sp.]; Pu regrowth; exotics/ weeds [incl. <i>Nephrolepis</i> sp.].
											Survey Date: 31 Aug-4 Sep 2009	
public verge/ embankment s/s cutting opp. Nos.19-29 Noonbinna Crescent [adj. to northern bdy. No.3 Parker St & rear bdy. Nos. 63-67 Kameruka Rd.]	s/s outcrops s/s cutting tree group remnant community	10ar(i)	Eha [2] Ac/ Al/ Eha Al [2] Aba [1] Ac [1] Gf [1]	60-80+ up to 5-10+ 20-30+ 10-15+ 10-15+ 30-40+	8-9m up to 3-4m 8m 4m 8m 7m	5-9m varies 5m 3m 4m 5m	fair(2) varies good(1)/ fair(1) poor good good	5	low	restricted	T&BPO	embankment/ rock outcrops & cutting; highly modified; Eha [2]-possibly older remnant natives/ ext. insect damage, & dead wood/ Mistletoe sp. present; ext. generic & local native planting (dom.) [<i>Banksia integrifolia</i> , <i>Euc.</i> spp., <i>Callistemon</i> , <i>Leptospermum</i> , <i>Acacia</i> spp.]; listed Ac/ Al/ Eha/ Aba - all likely planted; Pu regrowth; dom. weeds [<i>Nephrolepis</i> , <i>Asparagus</i> , <i>Ehrharta</i> , <i>Pennisetum</i> spp.].

												Survey Date: 9 Nov-13 Nov 2009
public verge/ embankment s/s cutting opp. No.4 Parker St & 35 Noonbinna Crescent [adj. to rear/ northern bdy. Nos.55 & 57 Kameruka Rd.]	s/s outcrops s/s cutting tree group remnant community	10ar(i)	Eha [1] Eha [1] Eha [1] Ka [2] Pu/ Gf	80-100+ 20-30+ 15-20+ up to 30-40+ up to 30-40+	4m 5m 5m up to 2-3m up to 4m	8m 9m 6m up to 4m up to 7m	good good good good good/ regrowth	varies: 4-5 [mainly 5]	low	restricted	T&BPO	Eha [1]- on grass verge (eastern end) old growth multi-stemmed specimen w. epicormic regrowth/ some pruning o'head powerlines; remnant natives at base [<i>Polyscias</i> sp.]; weeds. embankment/ rock outcrops & cutting; highly modified; no native g/covers recorded; remnant native understorey [incl. <i>Grevillea linearifolia</i> , <i>Dodonaea</i> , <i>Kunzea</i> spp.]; cultivated gen. natives/ exotics [<i>Banksia integrifolia</i> , <i>Acacia</i> , <i>Leptospermum</i> , <i>Dianella</i> , <i>Hibbertia</i> , <i>Aphanopetalum</i> spp.; dom. weeds [incl. <i>Lantana</i> , <i>Cotoneaster</i> , <i>Senna</i> , <i>Pennisetum</i> (dom.), <i>Nephrolepis</i> , <i>Asparagus</i> spp.].
Noonbinna Crescent - Public Reserves:												Survey Date: 14 Dec-18 Dec 2009
Miscellaneous Bushland Reserves (Warners Bay Group) The contiguous bushland adjoining property Nos. 35, 39A, 41A, 43, 45 & 59 Noonbinna Crescent and 11, 11A & 12 Parker Street and Sailors Bay Creek (northern boundary) are scheduled as SEPP 19: Bushland in Urban Areas (Public Open Space) in the Willoughby City Bushland Plan of Management (2000). Note: All of these bushland reserves are subject to SREP 23: <i>Outstanding Visually Prominent Natural Landscapes</i> . The northern portions of private property Nos. 41A, 43 & 45 Noonbinna Crescent (adjoining creek-line) are identified as SEPP 19 (WCBPOM) and subject to boundary confirmation.												
Listings are divided into Areas A(i)-(vi) as follows:												
Area A(i): remnant bushland - reserve portion between Nos.45 & 59 Noonbinna Cres. sandstone scarp/ gully & waterfall/ creek-line	tree group s/s scarp s/s outcrops	10ag(iii)	Pu [dom.] Fru [1] Cal [1]	up to 20-30+ 15-20+ unknown	up to 8-9m 3m 3m	up to 6-9m 3m 5m	regrowth good good	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	significant s/s scarp & rock overhang/ waterfall; highly disturbed/ modified remnant tree group/ mesic shift; Pu regrowth; Fru [1]- on rock outcrop; Cal [1]- multi-stemmed; dom. exotics/ native rainforest spp. [incl. <i>Schefflera</i> , <i>Archontophoenix</i> , <i>Livistona</i> , <i>Araucaria</i> , <i>Elattostachys</i> , <i>Eupomatia</i> , <i>Helmholtzia</i> <i>Howea</i> spp.].
Area A(ii) remnant bushland- adj. to creek-line & rear bdy. No.45 Noonbinna Cr.	tree group	10ag(iii)	Cea [2+] Gf [1]	?100-150+ 80-100+	14-16m 14m	10-12m 12m	good good	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	Cea [2+] old growth specimens/part of significant/ contiguous Cea group [see listings]; Gf [1]- old growth spec.; ext. palm/ <i>Cyathea</i> sp.(dom.) planting in reserve; weeds [incl. <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> spp.]; some native ferns/ epiphytes [incl. <i>Adiantum</i> , <i>Asplenium</i> ,

												<i>Platyserium</i> spp.] - cultivated origin.
Area A(iii) remnant bushland-lower slope/ creek-line adj. to No.43 Noonbinna Cr.	s/s outcrops tree group remnant community	10ag(iii)	Cea [5+] Cea [8+] Cea [25+] Cea/ Gf Pu	?100-150+ 30-40+ 15-30+ <5 up to 20-30+	14-15m up to 9-14m up to 9-14m <1m up to 7-9m	7-12m up to 4-7m up to 2-3m <1m varies	good good good good/ regen. good/ regrowth	varies: 2-5	high-low	fragmented	SEPP 19/ T&BPO SREP 23	Significant Cea group (dom.) / varying age structure incl. old growth specs. / part of larger contiguous stand extending along creek-line [see Castlecrag: Watergate Reserve]; good regen. / ext. <i>Ceratopetalum apetalum</i> seedlings; native understorey [incl. <i>Sticherus flabellatus</i> (colony adj. to bdy. No.45), <i>Calochlaena</i> , <i>Polyscias</i> , <i>Dodonaea</i> , <i>Lepidosperma</i> , <i>Smilax</i> spp.]; weeds [<i>Cinnamomum</i> , <i>Lantana</i> , <i>Ligustrum</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Ipomoea</i> spp.]; listings subject to bdy. survey.
Refer to Noonbinna Crescent - Residential Properties: 43 Noonbinna Crescent.												
Area A(iv) remnant bushland-lower slope/ creek-line adj. to rear bdy. No.41A Noonbinna Cr.	s/s outcrops tree group remnant community	10ag(iii)	Cea [1] Cea [3] Cea [dom.] Cea Epip [1] Gf [2] Pu	60-80+ 30-40+ up to 10-15+ <5 50-60+ 20-40+ up to 20-30+	15m up to 9-14m up to 5-7m <2m 12m 9-10m up to 7-9m	7m up to 4-7m up to 2-3m <0.5m 15m 7-8m varies	good good good good/ regen. good good good/ regrowth	varies: 1-5	high-low	contiguous	SEPP 19/ T&BPO SREP 23	varying level of disturbance/ weed invasion; Cea group/ dense immature regrowth (dom.) / part of significant contiguous stand along creek-line [see Castlecrag: Watergate Reserve]; good regen. / high biodiversity [incl. <i>Lomatia</i> , <i>Elaeocarpus</i> , <i>Polyscias</i> , <i>Calochlaena</i> , <i>Acacia</i> , <i>Smilax</i> , <i>Sticherus</i> , <i>Hypolepis</i> , <i>Eustrephus</i> , <i>Lepidosperma</i> spp.]; weeds; listings subject to bdy. survey.
Refer to Noonbinna Crescent - Residential Properties: 41A Noonbinna Crescent.												
Area A(v) remnant bushland-slope to creek-line adj. to bdy. No.39A Noonbinna Cr.	s/s outcrops remnant community	10ag(iii)/ 10ag(i)	Epip/ Ac Epu/ Esi Cea Ceg/ Al/ Cal Pu/ Gf	up to 60-80+ up to 60-80+ up to 15-30+ up to 10-15+ up to 20-30+	up to 12-16m up to 12-16m up to 10-12m up to 4-7m up to 6-8m	varies varies up to 3-5m varies varies	good good good good good/ regrowth	varies: 1-5 [mainly 1-2]	high-low	contiguous	SEPP 19/ T&BPO SREP 23	varying level of past disturbance/ weed invasion; dense regrowth [<i>Acacia</i> spp. / Al/ Ceg]; high biodiversity/ good regen. natives [incl. <i>Podocarpus spinulosus</i> , <i>Notelaea</i> , <i>Rapanea</i> , <i>Xanthorrhoea</i> , <i>Hypolepis</i> , <i>Lomandra</i> , <i>Eustrephus</i> , <i>Smilax</i> spp.]; weeds.
Area A(vi) remnant bushland-adj. to walking track/ top of scarp [incl. Parker Street unmade road reserve & rock outcrops/ scarp	s/s scarp s/s outcrops remnant community	10ag(iii)/ 10ag(i)	Cea Epu [2] Pu [dom.] Cea [dom.] Fru/ Cal	up to 80-100+ 40-50+ up to 20-30+ up to 15-30+ up to 5-10+	up to 10-16m 9-10m up to 7-9m up to 10-12m up to 1-2m	varies 10-12m varies up to 3-5m up to 1-2m	good poor good/ regrowth good good/ regen.	varies: 3-5 [mainly 4-5]	medium-low	fragmented	SEPP 19/ T&BPO SREP 23	significant s/s scarp/ rock outcrops; highly disturbed/ modified community; dom. weeds [incl. <i>Lantana</i> (dom.), <i>Ligustrum</i> spp.]; area under restoration strategy; Epu [2]- ext. dead wood/ crown die-back; Cea [dom.] on upper/ lower scarp; remnant natives [<i>Cissus hypoglauca</i> , <i>Callicoma</i> , <i>Pteridium</i> , <i>Smilax</i> spp.]; <i>Cyathea</i> sp.- cultivated origin; gen. native planting [<i>Euc.</i> spp.].
Nulgarra Street - Residential Properties:											Survey Date: 4 Aug-8 Aug 2008	

10 Nulgarra St: rear garden/ adj. to bdy.No.8	single tree	10ar(i)	Ac [1]	60-80+	14m	14m	good	5	low	isolated	adj.SEPP 19 /T&BPO	exotic garden
Nulgarra Street - Road Reserves and Drainage Easements:												Survey Date: 4 Aug-8 Aug 2008
unmade road reserve/ lower section adj. to Calbina Rd cul-de-sac	s/s outcrops remnant community	10ar(i)						5	low	restricted	T&BPO	rock outcrops; dom. weeds; native regrowth [<i>Omalanthus</i> sp.]; generic & local native planting- <i>Hakea</i> sp.[group] likely planted.
Parker Street - Residential Properties:												Survey Date: 23 Nov-27 Nov 2009
7 Parker Street: rear garden/ rock outcrops adj. to bdy. No.5 Parker St. & 25 Noonbinna Cr.	single tree s/s outcrops	10ag(i)	Pu [1]	60-80+	8m	12m	good	5	low	restricted	T&BPO	exotic garden; significant s/s outcrops L-shaped block; Pu [1]- large spec./ possibly older.
Parker Street - Road Reserves and Drainage Easements:												Survey Date: 30 Nov-4 Dec 2009
steep embankment/ cutting rock outcrops [opposite Nos. 6-12 Parker Street]	tree group s/s outcrops remnant community	10ag(i)	Cgu [1] Cgu [2] Epu [2] Cgu [2]	60-80+ 40-50+ 20-30+ up to 5-10+	9m 7-8m 8-9m 3-6m	6m 6-8m 8-9m 1-3m	good good [1]/ fair [1] good [1]/ fair [1] good	varies: 3-5	medium-low	restricted	T&BPO	significant rock outcrops/ cutting adj. to roadway & pedestrian path/ steps; highly disturbed/ modified; significant native tree group; Cgu [1]/ fair- dead wood [possibly 1X tree]; Epu [1]/ fair- dead wood/ thinning crown & decline; site under bush regen./ restoration strategy; ext. use of gen./ local native planting [unknown provenance] mixed w. remnant native understorey [incl. <i>Angophora hispida</i> , <i>Banksia ericifolia</i> , <i>Acacia terminalis</i> / <i>A. ulicifolia</i> , <i>Breynia</i> <i>Leptospermum</i> , <i>Ozothamnus</i> , <i>Smilax</i> , <i>Dodonaea</i> , <i>Grevillea</i> , <i>Isopogon</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Dichelachne</i> , <i>Themeda</i> , <i>Imperata</i> spp.]; good regen. Pu regrowth; dom. exotics/weeds [incl. <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Lonicera</i> , <i>Ochna</i> , <i>Ehrharta</i> spp.].
For northern unmade road portion of Parker Street (incl. upper scarp) refer to Noonbinna Crescent - Public Reserves: Miscellaneous Bushland Reserves (Area A(vi)).												
Sailors Bay Road - Residential Properties & Schools:												Survey Date: 4 Aug-8 Aug 2008
Northbridge Public School: 298 Sailors Bay Road											T&BPO	school grounds; no remnant native spp.; only cultivated generic natives/ exotics.
Refer to Sailors Bay Road - Public Reserves: for further details of adjoining property listing - Northbridge Park Area A(i).												
300 Sailors Bay Rd: front garden	single tree	10ar(i)	Epu [1]	20-30+	7m	6m	fair	5	low	restricted	T&BPO	exotic garden; weeds; Epu [1]- heavily pruned/ possibly planted; gen. natives [incl. <i>Corymbia citridora</i>].
314 Sailors Bay Rd: front garden	single tree	10ar(i)	Ac [1]	40-50+	12m	14m	good	5	low	isolated	T&BPO	exotic garden/ lawn; mulched bed.

adj. to front bdy. & verge												
403 Sailors Bay Rd: rear garden adj. to rear bdy.	single tree	10ar(i)	Eha [1]	20-30+	9m	10m	good	5	low	isolated	T&BPO	exotic garden/ lawn; Eha [1]- possibly planted/ competition w. planted <i>Podocarpus</i> sp.
Sailors Bay Road - Road Reserves and Drainage Easements:												Survey Date: 1 Dec-5 Dec 2008
public verge adj. to Northbridge Golf Course [Area R(i)- bushland] between Aubrey Rd & Neeworra Rd intersections		10ar(i)	Eha/ Ka	<5+	<2.5m	varies	good	5	low	fragmented	adj.SEPP 19 /T&BPO	compacted crushed s/s pathway; all restoration planting incl. local natives: [<i>Acacia</i> , <i>Dianella</i> , <i>Imperata</i> spp.]; provenance unknown.
central island/ public verge adj. to Clive Park [main entry/ bus stop & turning area]/ opp. Tycannah Rd intersection	tree group	10ar(i)	Epip [1] Eha [3] Eha [1]	?100-150+ 80-100+ 80-100+	9m 7-8m 7m	24m 5-10m 5m	good good see notes	5	low	fragmented	T&BPO	remnant old growth native tree group in mown grass; highly modified/ no native understorey; Epip [1]- massive multi-trunked specimen/1800mm diam base; Eha [3]/ old growth group- some dead wood; Eha [1]- ext. dead wood/ healthy epicormic growth; also Era/ Eha X3 immature group [<15-20] + sapling X1/ all likely cultivated origin; some restoration planting [<i>Lomandra</i> / <i>Acacia</i> spp.]/ unknown provenance; exotics/ weeds [incl. <i>Strelitzia</i> sp.].
Sailors Bay Road - Public Reserves:												Survey Date: 27 Apr-1 May 2009
Clive Park (Clive Park Group) Clive Park is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas (Public Open Space) in the Willoughby City Bushland Plan of Management (2000). The park forms part of the first Crown grant in Northbridge (1837). A proposed subdivision in 1840 (Albert Town Estate) did not proceed. The land was resumed for park purposes in 1914 and named after Clive Backhouse (Mayor 1912-13) [source: WCC reserve signage]. Note: Clive Park is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
Clive Park listings are divided into Areas A-E [refer to aerial photos] as follows:												
Area A: core bushland - south-eastern slope & scarp to shoreline	core bushland community s/s outcrops s/s scarp	10ag(i)/ 10ar(i)	Ac [dom.] Epip/ Cgu Ebo/ Esi Bs/ Ceg Al/ Er/ Had Pu [dom.]	up to 80-100+ up to 80-100+ up to 80-100+ up to 60-80+ up to 30-60+ up to 30-50+	up to 15-16m up to 10-12m up to 10-16m up to 4-5m up to 4-6m up to 4-6m	up to 20m up to 22m up to 22m varies good good up to 4-6m	varies varies varies good good good/ regrowth	varies: 1-2 [mainly 1]	high	contiguous	SEPP 19/ T&BPO SREP 23	core bushland community w. intact native canopy/ understorey; minimal disturbance/weed invasion; high bio- diversity values; significant s/s scarp & rock outcrops; native understorey [incl. <i>Persoonia pinifolia</i> , <i>Leionema</i>
Area B(i): core bushland - upper ridge & slopes adj. to bus stop/ turning area & amenities building [south of main walking track]	core bushland community s/s outcrops	10ar(i)	Ac/ Epip Egl/ Ebo Eha/ Cgu Bs Al/ Er/ Had Gf/ Pu	up to 80-100+ up to 80-100+ up to 80-100+ up to 60-80+ up to 40-60+ up to 40-60+	up to 9-15m up to 9-15m up to 7-12m up to 4-6m up to 4-6m up to 5-7m	up to 24m up to 22m up to 15m up to 7-8m varies up to 5-7m	varies varies varies good good good/ regrowth	varies: 1-5 [mainly 1-2]	high-low	contiguous	SEPP 19/ T&BPO SREP 23	<i>dentata</i> , <i>Leptospermum trinervium</i> , <i>Podocarpus spinulosus</i> , <i>Pomaderris</i> , <i>Notelaea</i> , <i>Breynia</i> , <i>Epacris</i> , <i>Crowea</i> , <i>Xanthorrhoea</i> , <i>Platylobium</i> , <i>Gahnia</i> , <i>Lepidosperma</i> , <i>Lomandra</i> , <i>Entolasia</i> , <i>Imperata</i> , <i>Pteridium</i> , <i>Davallia</i> , <i>Smilax</i> , <i>Pandorea</i> , <i>Eustrephus</i> , <i>Cissus</i> spp.];

												current weed management/ regen. strategy; controlled broad area burn [Area A: 1998] & pile burn [1999]; pile burn [Area B(i): 8/09/2009].
<i>Note: Refer to Sailors Bay Road - Road Reserves and Drainage Easements for listings on central island/ grass verge [bus turning area].</i>												
Area B(ii): core bushland/ mid-slope [north of main walking track]	core bushland community s/s outcrops	10ar(i)/ 10ag(i)	Epip [dom.] Egl/ Ebo Fru Crho [2] Er/ Gf/ Pu	up to 80-100+ up to 80-100+ up to 80-100+ 20-30+ up to 40-60+	up to 12-16m up to 9-15m up to 6-8m 5m up to 4-7m	up to 22m up to 22m up to 22m 1m up to 3-7m	varies varies good good good/ regrowth	varies: 1-5	high-low	fragmented	SEPP 19/ T&BPO SREP 23	varying level of disturbance/ weed invasion; high level of fragmentation/ loss of native canopy/ understorey & mesic shift; dead standing trees; ext. native vine growth; native understorey [<i>Cissus hypoglauca</i> , <i>Stephania Smilax</i> , <i>Pteridium</i> , <i>Breynia</i> , <i>Imperata</i> , <i>Lepidosperma</i> spp.]; <i>Callitris</i> sp.- likely cultivated; prep. for controlled pile burn [Sept. 2009].
Note: Area B(ii) is a recorded site affected by <i>Phytophthora</i> sp.												
Area C(i): core bushland adj. to cleared picnic/ BBQ area [upper rock outcrops/ lookout]	core bushland community s/s outcrops s/s scarp	10ar(i)/ 10ag(i)	Epip [dom.] Ebo/ Ac Gf/ Ai/ Al Fru [1] Mst	up to 80-100+ up to 80-100+ up to 50-60+ ?100-150+ up to 60-80+	up to 12-15m up to 12-16m up to 6-8m 7m up to 5-7m	up to 22m up to 20m up to 5-8m 18m up to 9m	varies varies good good good	varies: 1-5 [mainly 1-3]	high-low	contiguous	SEPP 19/ T&BPO SREP 23	varying level of disturbance/ weed invasion & fragmentation; significant s/s scarp & rock outcrops/outstanding natural feature; Fru [1]- old growth specimen on rock platform/ fallen & regrown from up-turned base.
Area C(ii): foreshore bushland - lower scarp/ rock outcrops & cave/ overhang to shoreline [incl. steep northern slope adj. to steps to rock pool/ beach]	core bushland community s/s outcrops	10ag(i)/ 10ar(i)	Casg [dom.] Er/ Pu/ Gf	up to 60-80+ up to 40-50+	up to 6-9m up to 5-7m	up to 2-3m varies	good good	varies: 1-3	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	Aboriginal archaeological site [DECC] incl. rock overhang/ cave & midden]; littoral vine thicket/ highly disturbed & fragmented [<i>Melaleuca styphelioides</i> , <i>Clerodendrum tomentosum</i> , <i>Rapanea variabilis</i> , <i>Casuarina glauca</i> , <i>Notelaea longifolia</i> f. <i>longifolia</i> , <i>N. venosa</i> var. <i>venosa</i> , <i>Acacia implexa</i> , <i>Dodonaea</i> , <i>Breynia</i> , <i>Hibbertia scandens</i> , <i>Smilax</i> , <i>Sarcopetalum harveyanum</i> , <i>Cissus antarctica</i> , <i>C. hypoglauca</i> , <i>Pandorea</i> , <i>Eustrephus</i> , <i>Cymbopogon</i> , <i>Entolasia</i> , <i>Microlaena</i> , <i>Imperata</i> , <i>Themeda</i> , <i>Plectranthus</i> , <i>Pseuderanthemum</i> , <i>Adiantum</i> , <i>Doodia</i> spp.]; some weeds [incl. <i>Ligustrum</i> , <i>Lantana</i> , <i>Asparagus</i> , <i>Ochna</i> , <i>Ehrharta</i> spp./also <i>Passiflora suberosa</i>].
Area C(iii): embankment/ rock outcrops to beach between eastern steps & headland	core bushland community s/s outcrops	10ag(i)/ 10ar(i)	Fru Pu [1] Pu/Gf [dom.] Casg	up to 80-100+ 80-100+ up to 30-50+ up to 60-80+	up to 4-6m up to 7m up to 4-5m up to 6-12m	up to 15m 12m up to 4-6m up to 2-3m	good good good good	varies: 2-5	high-low	fragmented	SEPP 19/ T&BPO SREP 23	ext. vine thicket [<i>Cissus</i> spp.]; varying level of disturbance/ weed invasion [incl. <i>Ligustrum</i> , <i>Lantana</i> , <i>Asparagus</i> , <i>Tradescantia</i> spp]; <i>Lophostemon</i> sp.

			Bint Er/ Al	up to 30-40+ up to 20-40+	up to 4-6m up to 4-7m	up to 3-5m varies	good good					[naturalised]; dead standing trees; Pu [1]- old growth spec./ beach; Bint- possibly some restoration planting.
Note: Area C(iii) is a recorded site affected by <i>Phytophthora</i> sp.												
Area C(iv): lower gully & upper embankment to beach [adj. to walking track & creek]	core bushland community s/s outcrops	10ag(i)/ 10ar(i)	Epip/ Ebo Mst Cal	up to 80-100+ up to 60-80+ up to 20-30+	up to 12-15m up to 5-7m up to 2m	up to 22m up to 9m 1-3m	varies good good	varies: 2-5	high-low	fragmented	SEPP 19/ T&BPO SREP 23	varying level of disturbance/ weed invasion & fragmentation of native canopy/ understorey; current regen. & restoration strategy; native under- storey [<i>Callicoma</i> , <i>Cyathea</i> , <i>Pteridium</i> , <i>Calochlaena</i> , <i>Gleichenia</i> , <i>Hypolepis</i> , <i>Adiantum</i> , <i>Grevillea</i> , <i>Gahnia</i> , <i>Smilax</i> , <i>Cissus</i> spp.]; dead standing trees.
Note: Area C(iv) is a recorded site affected by <i>Phytophthora</i> sp.												
Area C(v): upper steep gully/ embankment adj. to cnr. Minimbah Rd/ Sailors Bay Rd.	remnant community s/s outcrops s/s scarp	10ag(i)	Fru Er/ Gf/ Pu	up to 80-100+ up to 40-60+	up to 9-12m up to 4-7m	up to 22m up to 3-7m	good regrowth	varies: 3-5 [mainly 4-5]	medium-low	fragmented	SEPP 19/ T&BPO SREP 23	high level of disturbance/ modification & fragmentation; dom weeds; mesic shift; dead standing canopy trees; <i>Cyathea</i> sp. [likely cultivated origin]; restoration planting to road-side [incl. <i>Banksia integrifolia</i> , <i>Hakea</i> , <i>Imperata</i> spp.]/ unknown provenance.
Note: Area C(v) is a recorded site affected by <i>Phytophthora</i> sp.												
Area D(i): core bushland - ridgetop and northern slopes adj. to one-lane access road [to sailing club & boatshed]	core bushland community s/s outcrops s/s scarp	10ar(i)/ 10ag(i)	Ac/ Epip Cgu/ Epu Er/ Gf/ Pu Al [dom.] Crho Ceg/ Bs Fru	up to 80-100+ up to 80-100+ up to 20-30+ up to 40-50+ up to 60-80+ up to 80-100+ up to 20-30+	up to 12-16m up to 12-16m up to 4-7m up to 5-8m up to 5-8m up to 4-6m up to 3-4m	up to 22m up to 20m up to 3-7m up to 6-7m up to 1-3m varies up to 6-7m	good good good/ regrowth good good good good	varies: 1-3 [mainly 1-2]	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	core bushland community w. intact native canopy/ understorey; minimal disturbance/weed invasion; high bio- diversity values; significant s/s scarp & rock outcrops; native understorey [<i>Callitris rhomboidea</i> / <i>Allocasuarina</i> <i>littoralis</i> (local dom.); <i>Elaeocarpus</i> , <i>Grevillea linearifolia</i> , <i>Pittosporum</i> <i>revolutum</i> , <i>Persoonia</i> , <i>Dodonaea</i> , <i>Crowea</i> , <i>Breynia</i> , <i>Xanthorrhoea</i> , <i>Lepidosperma</i> , <i>Lomandra</i> , <i>Entolasia</i> , <i>Pteridium</i> , <i>Smilax</i> , <i>Eustrephus</i> spp.]; current weed management/ regen. strategy; controlled broad area burn [Area D(i): 1996 & Area D(ii): 2001].
Area D(ii): core bushland - ridgetop and northern slopes/ scarp [adj. to western bdy.]			refer to Area D(i) scheduled items									
Area D(iii): bushland adj. to cleared picnic area/ ridgetop [access off Minimbah Rd]	tree group remnant community s/s outcrops	10ar(i)	Ac/ Epip Cgu/ Epu Ac [2] Bint Pu/ Gf Ac/Epip/Bint	up to 50-80+ up to 50-80+ 80-100+ up to 30-50+ up to 60-80+ <5	up to 9-14m up to 9-14m 9-10m up to 8-9m up to 6-8m <1m	up to 16m up to 16m 18-22m up to 4-6m varies <0.5m	good good good fair/ good good good regen.	varies: 2-5	high-low	fragmented	SEPP 19/ T&BPO SREP 23	high level of disturbance/ modification; former fill site assoc.w. construction of Walter Burley Griffin's Incinerator/ also an orchard/ cultivated exotics [incl. <i>Chorisia speciosa</i>] & generic mature natives [<i>Corymbia maculata</i> (also regen./ seedlings), <i>Eucalyptus</i> <i>elata</i> , <i>Melaleuca</i> & <i>Hakea</i> spp.]; Bint- possibly cultivated origin; good native

												regen.; Ac [2]- old growth/ possibly older (1X Ac outstanding specimen).
Area E(i): core bushland - lower steep northern slopes adj. to access road/ parking Northbridge Sailing Club [east] & steep gully/ creek-line to Sailors Bay Boatshed [west]	core bushland community s/s outcrops s/s scarp	10ag(i)	Ac/Epip/Cgu Al/ Er/ Gf Pu [dom.] Ceg/ Bs Crho	up to 80-100+ up to 40-50+ up to 40-50+ up to 80-100+ up to 60-80+	up to 12-16m up to 5-8m up to 5-6m up to 4-6m up to 4-7m	up to 22m up to 3-8m up to 5-6m varies up to 1-3m	good good good/ regrowth good good	varies: 1-5 [mainly 1-2]	high-low	contiguous	SEPP 19/ T&BPO SREP 23	core bushland community w. largely intact native canopy/ understorey; significant s/s scarp & rock outcrops; varying level of disturbance/ weed invasion; high biodiversity values; native understorey [<i>Allocasuarina</i> , <i>Callitris</i> , <i>Elaeocarpus</i> , <i>Xanthorrhoea</i> , <i>Platysace</i> , <i>Gleichenia</i> , <i>Calochlaena</i> , <i>Gahnia</i> , <i>Stephania</i> , <i>Hibbertia</i> , <i>Cissus</i> , <i>Smilax</i> spp.]; Pu regrowth [gully/dom.] weeds [<i>Lantana</i> , <i>Asparagus</i> spp.].
Area E(ii): embankment/ scarp between Northbridge Sailing Club & cul-de-sac carparking area	tree group s/s scarp s/s outcrops	10ag(i)	Fru [1] Gf [1] Ai	?100-150+ 80-100+ up to 50-60+	7m 5m up to 4-6m	12m 10m up to 3-4m	good good good/ regrowth	5	low	fragmented	SEPP 19/ T&BPO SREP 23	high level of disturbance/ modification; significant s/s scarp & rock outcrops; Fru [1]- old growth spec./adj. to upper deck/ some pruning; Gf [1]-old growth spec.; <i>Callitris</i> sp. [possibly planted].
Area E(iii): embankment/ adj. to pathway/ steps to 1st Northbridge Sea Scouts	tree group remnant community s/s outcrops	10ag(i)	Ac/ Epip Ai [dom.] Casg Pu/Gf Rv/ Er	up to 80-100+ up to 50-60+ up to 60-80+ up to 50-60+ unknown	up to 12-16m up to 4-6m up to 6-7m up to 4-5m <1.5m	up to 22m up to 3-4m up to 2-3m up to 4-6m <1m	good good good good/ regrowth good/ regen.	varies: 3-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	high level of disturbance/ modification; significant s/s outcrops; dom. weeds; remnant understorey/ good regen. [incl. <i>Rapanea variabilis</i> , <i>Breynia</i> , <i>Elaeocarpus</i> , <i>Pteridium</i> , <i>Stephania</i> , <i>Microlaena</i> spp.].

Survey Date: 6 Oct-10 Oct 2008

Northbridge Park [incl. Northbridge Golf Course] (Northbridge Group)

Northbridge Park (incl. Northbridge Golf Course) is a major bushland reserve scheduled (in part) as SEPP 19: Bushland in Urban Areas (Public Open Space) and Land Adjoining Bushland on Public Open Space in the Willoughby City Bushland Plan of Management (2000).

SIGNIFICANT ITEMS:

Schedule 2: Vulnerable (TSC Act/ EPBC Act) ROTAP: 2VCi: old growth *Eucalyptus camfieldii* [Ecam] [ITEM U]

ROTAP: 3RC: *Platysace stephensonii* [AREA R(i)].

Locally significant old growth specimens - *Eucalyptus piperita* [Epip] (?150-200+years old) [AREAS M, X(iii) and X(vi)].

Locally significant old growth specimens - *Ceratopetalum gummiferum* [Ceg] (?100-200+years old) [AREAS E, M and S(viii)].

Northbridge Park listings are divided into Areas A-Y [refer to aerial photos] as follows:

Item A(i): mown rough/ bdy. wall to Northbridge Public School/ adj. to basketball court	single tree	10ar(i)	Fru [1]	50-60+	7m	12m	fair/ lopped	5	low	isolated	adj.SEPP 19 /T&BPO	mown grass/ generic native planting; Fru [1]- multi-stem regrowth/ heavily lopped/ aligned adj. to school grounds.
Area A(ii): new car parking area/ boundary rough adj. to fairwayNo.1 & cricket oval	remnant community	10ar(i)	Al/ Be/ Ka Ahis Ka Pu/ Gf	up to 5-10+ up to 5-10+ <5 up to 5-10+	up to 3-5m up to 2-3m <0.5m up to 2-3m	varies varies <0.5m varies	good good regen. regrowth	varies: 4-5 [mainly 5]	low	isolated	adj.SEPP 19 /T&BPO	highly modified remnant community/ no native canopy spp.; ext. landscape restoration planting adj. to new car park; most native spp. likely cultivated;

												some native regen.; dom. weeds [incl. <i>Lantana</i> , <i>Asparagus</i> spp.]; all generic native planting along road-side.
Area A(iii): adj. Sailors Bay Rd/ service vehicle entry & teaching tee	single tree	10ar(i)	Bs [1]	50-60+	5m	7m	good	varies: 4-5 [mainly 5]	medium-low	isolated	adj.SEPP 19 /T&BPO	mown grass/ generic native planting; Bs [1]- single specimen.
Area A(iv): constructed water features/ wetlands & Nos. 2 & 3 fairway roughs & 4th tee											adj.SEPP 19 /T&BPO	constructed water features/ wetlands; all landscape reconstruction/ restoration planting; no remnant native spp.
Area A(v): adj. Sailors Bay Rd/ Northbridge Golf Course car park								5	low	isolated	adj.SEPP 19 /T&BPO	mown grass/ highly modified; generic native planting [<i>Euc.</i> spp.]/ exotics.
Area B(i): No.1 fairway rough adj. to clubhouse/ putting greens	single tree	10ar(i)	Fru [1] Pu [dom.]	80-100+ up to 30-40+	10m up to 5-7m	14m varies	good regrowth	5	low	isolated	adj.SEPP 19 /T&BPO	cultivated mature group (<i>Syzygium paniculatum</i>) adj.to clubhouse; exotics; Fru [1]- old growth, multi-trunk spec.
Area B(ii): bushland - fairway No.1 rough between clubhouse (planted group) & 11th tee/ amenities building [adj. to green No.18/ 14th tee & green No.13].	remnant community s/s outcrops	10ar(i)	Esi/ Cgu Eha Ka/ Al Bs/ Er Ceg	up to 80-100+ up to 60-80+ up to 30-40+ up to 30-40+ up to 60-80+	up to 8-12m up to 8-9m up to 4-7m up to 5-6m up to 7-8m	up to 16-20m up to 12m varies varies varies	good good good good good	varies: 2-5 [mainly 2-3]	high-low	fragmented	SEPP 19/ /T&BPO	narrow linear native community within rough; varying level of fragmentation; native canopy/ understorey relatively intact [incl. <i>Platylobium</i> , <i>Grevillea</i> , <i>Polyscias</i> , <i>Acacia</i> , <i>Crowea</i> , <i>Epacris</i> , <i>Pteridium</i> spp.]; high level of disturbance/ exotic weed invasion along edges/ drainage [<i>Cinnamomum</i> , <i>Lantana</i> , <i>Asparagus</i> , <i>Ochna</i> spp.].
Area B(iii): bushland - continuation of Area B(ii)/ steep embankment/ scarp [rough] between fairway Nos.1 & 10 [adj. service road]	remnant community s/s scarp s/s outcrops	10ar(i)/ 10ag(i)	Ac [dom.] Esi/ Cgu Be/ Ka/ Al Had/ Er Pu/ Gf	up to 80-100+ up to 80-100+ up to 30-40+ up to 30-40+ up to 30-40+	up to 12m up to 8-12m up to 4-7m up to 4-7m up to 5-7m	up to 16m up to 16-20m varies varies varies	good good good good regrowth	varies: 2-5 [mainly 3-5]	high-low	fragmented	SEPP 19/ /T&BPO	continuation of Area B(ii)/ linear native community assoc. w.significant scarp/ rock outcrops; fragmented canopy incl. old growth specs. [Esi/ Ac]; native g/covers [<i>Gleichenia</i> , <i>Calochlaena</i> spp.]; Pu regrowth; weeds dom. some sections [<i>Ligustrum</i> , <i>Celtis</i> spp.]; also cultivated generic natives [<i>Eucalyptus robusta</i> , <i>E. saligna</i>].
Area C: bushland - embankment/ rough between fairway Nos.4 & 10/ adj. to service roads	remnant community s/s outcrops	10ar(i)/ 10ag(i)	Cgu [dom.] Ka/ Al Pu/ Gf	up to 50-60+ up to 30-40+ up to 30-40+	up to 10-12m up to 4-7m up to 6-8m	varies varies varies	varies good regrowth	5	low	restricted	SEPP 19/ /T&BPO	continuation of Area B(iii)/ high level of disturbance/ modification; native planting [Ac/ Eha] affected by dense weed growth [<i>Lantana</i> , <i>Ligustrum</i> , <i>Olea</i> , <i>Nephrolepis</i> , <i>Acetosa</i> spp.].
Area D: bushland - ridge/ knoll between upper 5th tee & 10th tee	core bushland community s/s outcrops	10ag(i)	Ac [dom.] Esi/ Cgu Epip Bs/ Ka/ Al Ai/ Er/ Had	up to 80-100+ up to 80-100+ up to 80-100+ up to 30-40+ up to 30-40+	up to 18m up to 18m up to 18m up to 4-7m up to 4-7m	up to 16m up to 20m up to 20m varies varies	good good good good good	varies: 1-2	high	contiguous	SEPP 19/ T&BPO SREP 23	largely intact native community; high biodiversity values; contiguous bushland incl. old growth specs.; significant rock outcrops; min. weed invasion; controlled broad area burn [2003].

Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>												
Area E: bushland - steep slope/ gully between green No.4 & upper 5th tee	remnant community s/s outcrops	10ag(i)	Ac/ Cgu Ceg Fru/ Er Pu/ Gf	up to 60-80+ ?100-200+ up to 20-30+ up to 20-30+	up to 18m up to 4-7m up to 3-6m up to 5-7m	varies varies varies varies	good good good regrowth	varies: 2-5 [mainly 3-4]	high-low	fragmented	SEPP 19/ T&BPO SREP 23	varying level disturbance; fragmented native canopy; dense Pu regrowth; Ceg- significant grove of old growth/ multi-stemmed specimens; weeds dom. [<i>Ligustrum</i> , <i>Nephrolepis</i> spp.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>												
												Survey Date: 10 Nov-14 Nov 2008
Area F: bushland - steep slope/ valley between upper 5th tee & Upper Cliff Ave cul-de-sac [adj. to walking track]	core bushland community s/s outcrops	10ag(i)	Ac [dom.] Esi/ Cgu Epip Ka/ Al/ Er Ceg/ Bs Pu/ Gf	up to 80-100+ up to 80-100+ up to 60-80+ up to 40-50+ up to 60-80+ up to 20-30+	up to 18m up to 18m up to 16-18m up to 4-7m up to 5-7m up to 5-7m	up to 16m up to 20m varies varies varies varies	good good good good good regrowth	varies: 1-5 [mainly 1-2]	high-low	contiguous	SEPP 19/ T&BPO SREP 23	largely intact native community; high biodiversity values; contiguous bush- land incl. old growth specimens; native g/covers [<i>Calochlaena</i> , <i>Gleichenia</i> , <i>Smilax</i> spp.]; significant rock outcrops varying level of weed invasion.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>												
Area G(i): bushland [rough] south-western boundary adj. to green No.2/ 3rd tee & bdy.No.2 Ulric Lane/ rear bdy.to Nos.1-7 Woonona Rd	remnant community s/s outcrops	10ar(i)	Bs [1] Ka [dom.] Aba Al/ Er/ Ai Be/ Bs Ac/ Ka Pu/ Gf	60-80+ up to 40-50+ up to 40-50+ up to 20-30+ up to 40-50+ up to 5-10 up to 40-50+	6m up to 3-5m up to 3-4m up to 3-6m up to 4-6m <2m up to 5-6m	7m varies varies varies varies <1m varies	good fair/ good poor fair/ good good good/ regen. regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	SEPP 19/ T&BPO SREP 23	highly disturbed & modified native community assoc. w. rock outcrops; Pu regrowth [dom]; native understorey [incl. <i>Grevillea buxifolia</i> , <i>G. linearifolia</i> , <i>Epacris</i> , <i>Acacia</i> , <i>Dianella</i> spp.]; good regen.[Ka] adj. to 3rd tee; dom. weeds weeds [<i>Lantana</i> , <i>Ligustrum</i> spp.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>												
Area G(ii): bushland adj. to bdy. No.1 Upper Cliff Ave [adj. core bushland- Area F]	remnant community s/s outcrops	10ag(i)	Ac/ Epip Sg [1] Ceg	up to 60-80+ 60-80+ up to 80-100+	up to 10-16m 12m 7-8m	varies 8m 4-6m	varies good good	varies: 3-5	medium-low	fragmented	SEPP 19/ T&BPO SREP 23	fragmented canopy/ understorey; rock outcrops; Ceg- old growth multi-trunk specimens; Pu regrowth [dom.]; native understorey [<i>Calochlaena</i> , <i>Histiopteris</i> spp.]; dom. weeds [<i>Tradescantia</i> sp.]
Refer to Upper Cliff Avenue - Residential Properties: for further details of adjoining property listing - 1 Upper Cliff Avenue. Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>												
												Survey Date: 1 Dec-5 Dec 2008
Area H: bushland - steep slope/ valley adj. to 5th tee [front] & fairway [western side] contiguous with Area F	core bushland community s/s scarp s/s outcrops	10ag(i)	Ac/ Epip Esi/ Cgu Bs/ Had Ka/ Al/ Er Ceg/ Cal Pu/ Gf	up to 80-100+ up to 80-100+ up to 40-50+ up to 40-50+ up to 60-80+ up to 40-50+	up to 18m up to 18m up to 4-7m up to 4-7m up to 5-7m up to 5-7m	up to 16m up to 20m varies varies varies varies	good good good good good regrowth	varies: 1-2 [mainly 1]	high	contiguous	SEPP 19/ T&BPO SREP 23	largely intact native community; high biodiversity values; contiguous bush- land incl. old growth specs; significant scarp/ rock outcrops; steep lower slopes; native understorey [<i>Banksia</i> <i>spinulosa</i> , <i>Grevillea buxifolia</i> , <i>Acacia</i> <i>linifolia</i> , <i>Cissus hypoglauca</i> , <i>Gahnia</i> , <i>Leucopogon</i> , <i>Platylobium</i> , <i>Leionema</i> , <i>Woollsia</i> , <i>Calochlaena</i> , <i>Gleichenia</i> , <i>Smilax</i> , <i>Dianella</i> , <i>Cryptostylis</i> spp.]; min. weed invasion.
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes.</i>												
Area I: bushland - steep slope between lower fairway No.5	remnant community	10ag(i)	Ac/ Cgu Epip	up to 80-100+ up to 80-100+	up to 16-18m up to 16m	varies varies	good good	varies: 2-4 [mainly 3]	high-low	fragmented	SEPP 19/ T&BPO	varying level disturbance; fragmented native canopy incl. old growth specs.;

& green No.7/ adj. to steps	s/s scarp s/s outcrops		Ceg/ Er Pu	up to 30-50+ up to 30-50+	up to 6-7m up to 5-7m	varies varies	good regrowth				SREP 23	native g/covers [<i>Gleichenia</i> , <i>Doodia</i> , <i>Histiopteris</i> , <i>Smilax</i> , <i>Themeda</i> spp.]; <i>Banksia integrifolia</i> [likely cultivated origin]; weeds [<i>Cinnamomum</i> sp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area J: adj. to green No.5 & walking track on lower slope adj. to fenceline	tree group remnant community s/s scarp s/s outcrops	10ag(i)	Ac [1] Epip [2]	80-100+ 80-100+	12m 10-12m	22m 15-18m	good fair	varies: 3-5 [mainly 5]	medium-low	fragmented	SEPP 19/ T&BPO SREP 23	significant old growth specimens; Ac [1]- multi-trunk spec./ some dead wood; Epip [2]- some cavities, crown die-back/ dead wood & adventitious growth; <i>Cryptostylis</i> sp. at base Epip; significant scarp/ rock outcrops to shoreline [below]- see Area N.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area K: bushland - lower slope/ gully below fairway No.7	core bushland community s/s outcrops	10ag(i)/ 10ag(iii)	Ac [dom.] Epip/ Cgu Fru/ Er Pu [dom.]	up to 80-100+ up to 80-100+ up to 40-50+ up to 30-40+	up to 12-18m up to 12-16m up to 5-7m up to 6-8m	varies varies varies varies	good fair/ good good regrowth	varies: 1-3 [mainly 2]	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	largely intact native canopy [av.40-80+ age structure]; contiguous bushland incl. old growth specimens; dense sub-canopy Pu [dom.]; significant rock outcrops; native understorey [<i>Banksia spinulosa</i> , <i>Podocarpus spinulosus</i> , <i>Notelaea</i> , <i>Calochlaena</i> , <i>Lomandra</i> , <i>Smilax</i> , <i>Cryptostylis</i> spp.]; colonising <i>Archontophoenix</i> sp. [cultivated origin] weeds [<i>Ligustrum</i> , <i>Ochna</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area L: bushland - upper eastern slope/ ridge adj. to fairway No.7 [continuation of Area K]	core bushland community s/s outcrops	10ag(i)/ 10ag(iii)	Cgu [dom.] Epip/ Esi/ Ac Al/ Ka/ Er Bs/ Ceg	up to 80-100+ up to 80-100+ up to 40-50+ up to 60-80+	up to 10-16m up to 10-16m up to 4-7m up to 6-7m	varies varies varies varies	good good good good	varies: 1-2 [mainly 1]	high	contiguous	SEPP 19/ T&BPO SREP 23	largely intact native canopy [av.60-80+ age structure]; contiguous bushland incl. old growth specs.; significant rock outcrops; natives [<i>Banksia spinulosa</i> , <i>Persoonia levis</i> , <i>Epacris</i> , <i>Platylobium</i> , <i>Grevillea</i> , <i>Breynia</i> , <i>Gahnia</i> , <i>Billardiera</i> , <i>Pandorea</i> , <i>Gleichenia</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area M: bushland - between fairway Nos.6 & 7 [below sandstone wall] 6th tee 6th tee [western end] sandstone outcrops adj. to green No.6 [eastern end].	remnant community s/s outcrops	10ag(i)	Epip [1] Cgu/ Esi/ Ac Cal/ Er Al/ Ka Pu/ Gf	150-200+ up to 80-100+ up to 20-40+ up to 20-40+ up to 40-50+	14m up to 14m up to 3-6m up to 4-7m up to 6-8m	28m varies varies varies varies	good good good good regrowth	varies: 1-3	high-medium	fragmented	SEPP 19/ T&BPO SREP 23	varying level of disturbance; linear group w. largely intact native canopy incl. old growth specimens; Epip [1]- adj. to 6th tee/ significant old growth multi-trunk [5No.] spec.massive scale 1800mm diam. base; diverse native understorey/ modified; min. weeds.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area N: bushland - steep slope/ scarp to foreshore along south side of fairway No.6/ walking track [contiguous with Area F]	core bushland community s/s scarp s/s outcrops	10ag(i)	Ac [dom.] Epip/ Cgu Fru Ceg/ Al/ Er Pu/ Gf	up to 80-100+ up to 80-100+ up to 60-80+ up to 40-50+ up to 30-50+	up to 12-18m up to 12-14m up to 10m up to 6-8m up to 10-12m	varies varies up to 15m varies varies	good varies good good regrowth	varies: 1-3	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	largely intact native community; high biodiversity values; contiguous bushland incl. old growth specs; significant scarp/ rock outcrops; steep slope; modified native understorey [incl. <i>Dodonaea</i> , <i>Pandorea</i> , <i>Calochlaena</i> ,

													<i>Cyathea</i> spp.]; Pu [dom.] regrowth; varying level of weed invasion [incl. <i>Cinnamomum</i> , <i>Nephrolepis</i> spp.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .													
Area O: embankment [rough] between fairway Nos.7 & 8 [eastern group]	tree group remnant community	10ar(i)	Esi [dom.] Al/ Er Pu/ Gf	up to 80-100+ up to 30-50+ up to 30-50+	up to 9-10m up to 5-7m up to 5-6m	varies varies varies	fair/ poor good regrowth	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	linear remnant native tree group incl. old growth specimens; native understorey largely cleared or modified [incl. <i>Acacia linifolia</i> , <i>Lomandra</i> , <i>Dianella</i> spp]; dom. weeds/ exotic grasses.	
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .													
Area P: upper slope [rough] between fairway Nos.7 & 8 [western group adj. to 8th tee]	tree group remnant community	10ar(i)	Esi [1] Ac[3]/Cgu[1] Ac [1] Ceg [9+] Er [1]	80-100+ 50-80+ 80-100+ ?100-150+ 40-50+	12m 9-12m 12m 5-6m 5m	12m 8-14m 14m 5-6m 3m	fair good good good fair	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO SREP 23	remnant native tree group incl. old growth specimens [Esi/ Ac/ Ceg]; Esi [1]- ext. dead wood/ multi-trunk spec.; Ceg [9+] significant old growth multi-stem group; mown rough/ native understorey largely cleared; native g/covers [<i>Gahnia</i> sp.]	
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .													
Area Q(i): sandstone shelf adj. to memorial garden/ tennis courts & Sailors Bay Rd.	s/s outcrops	10ar(i)						5	low	isolated	adj.SEPP 19 /T&BPO	significant s/s outcrops/ exposed rock shelf; native regen. sedges; planting/ local native spp.; dom. weeds.	
Area Q(ii): grassed embankment between tennis courts & maintenance/ service road	tree group	10ar(i)	Cgu [1] Cgu [1] Eha [2] Ac [2] Ac [3] Al [4]	30-40+ unknown 20-30+ 20-30+ unknown up to 30-40+	10m 1m 7-8m 6-8m 3-4m 3-6m	8m 1.5m 5m 5-8m 2-5m 4-5m	good lopped/ regrowth good good lopped/ regrowth good/ fair	5	low	isolated	adj.SEPP 19 /T&BPO	mown grass slope; Cgu[1]/ Ac[3]-epicormic regrowth from cut stumps; Cgu/ Eha- some dead wood present; weeds [<i>Asparagus</i> sp.]; some native g/covers [<i>Dianella</i> sp.]; tree group possibly planted.	
Area R(i): bushland - opposite Bonds Corner [Sailors Bay Rd] adj. to BMX track & extending along upper ridge to 16th tee [upper tee]	core bushland community s/s outcrops	10ar(i)	Cgu/ Eha Ka/ Pu Al/ Ka/ Er Ahis/ Be/ Bs Pu	up to 80-100+ up to 80-100+ up to 50-60+ up to 50-60+ up to 30-40+	up to 7-8m up to 6m up to 5-8m up to 3-5m up to 5-6m	varies varies varies varies varies	good varies good good regrowth	varies: 1-2 [mainly 1]	high	contiguous	SEPP 19/ T&BPO	largely intact low woodland/ tall heath community on rock shelf; significant rock outcrops; high biodiversity/ old growth specs. [Cgu/ Eha/ Ka/ Pu] & ROTAP: 3RC <i>Platysace stephensonii</i> other natives [incl. <i>Persoonia pinifolia</i> , <i>Hakea teretifolia</i> , <i>Grevillea buxifolia</i> , <i>G. linearifolia</i> , <i>Acacia suaveolens</i> , <i>Blechnum cartilagineum</i> , <i>Calochlaena Dodonaea</i> , <i>Ozothamnus</i> , <i>Darwinia</i> , <i>Epacris</i> , <i>Woollsia</i> , <i>Caustis</i> , <i>Imperata</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Lepidosperma</i> , <i>Billardiera</i> , <i>Wahlenbergia</i> spp.]; see key schedules; varying level of weed invasion [incl. <i>Lophostemon</i> , <i>Lantana</i> , <i>Asparagus</i> , <i>Agapanthus</i> spp.].	
Refer to <i>Sailors Bay Road - Road Reserves and Drainage Easements: for further details of public verge restoration strategy</i> .													
Area R(ii): bushland - mid-level slope between Area R(i) &	core bushland	10ar(i)	Ka/ Al Ceg/ Er	up to 60-80+ up to 60-80+	up to 4-7m up to 5-7m	varies varies	good good	varies: 1-4 [mainly 3]	high-low	contiguous	SEPP 19/ T&BPO	low woodland/ tall heath community; varying level of disturbance assoc.w.	

lower vehicular service road	community s/s scarp s/s outcrops		Bs Cal Aba Mea/ Be Pu/ Gf	up to 60-80+ up to 80-100+ up to 80-100+ up to 50-60+ up to 40-50+	up to 6-7m up to 4-5m up to 6-7m up to 5-7m up to 5-7m	up to 8-10m up to 7m up to 6m up to 6-7m varies	good good poor/ v.poor good regrowth					scarp; dead [standing] canopy trees; significant scarp/ rock outcrops and overhangs; old growth specimens - [Aba]- ext. die-back/ regrowth; [Cal]- assoc.w. rock outcrops adj. to road; Mea [group]- likely natural occurrence; natives [<i>Calochlaena</i> , <i>Gleichenia</i> spp.] weeds; <i>Lophostemon confertus</i> - native naturalised/ coloniser.
Area R(iii): bushland - adj. to 16th tee/ bdy. to Sailors Bay Rd.	remnant community s/s outcrops	10ar(i)	Eha/Cgu/Bs Be/ Al/ Ka Gf/ Pu	up to 60-80+ up to 60-80+ up to 40-50+	up to 6-8m up to 5-7m up to 5-8m	varies varies varies	good/ fair good regrowth	varies: 3-5 [mainly 5]	medium-low	fragmented	adj.SEPP 19 /T&BPO	high level of disturbance/ modification; fragmented native community; natives- [<i>Hakea teretifolia</i> , <i>Grevillea buxifolia</i>]; cultivated generic natives [<i>Eucalyptus</i> <i>Callistemon</i> , <i>Casuarina</i> spp.]; <i>Acacia</i> <i>binervia</i> [likely planted]; dom. weeds [<i>Acacia saligna</i> , <i>Lantana</i> , <i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Senna</i> , <i>Cotoneaster</i> , <i>Populus</i> , <i>Rubus</i> , <i>Lophostemon</i> spp.].
mown rough adj. to green No.16	tree group s/s outcrops	10ar(i)	Al [3]	30-40+	5-6m	5-6m	good	5	low	restricted		Al [3]- group likely remnant; mixed w. generic native planting [see above].
Refer to Sailors Bay Road - Road Reserves and Drainage Easements: for further details of public verge restoration strategy.												
Area R(iv): bushland - steep slope adj. to vehicular service road [upper southern embankment].	remnant community s/s outcrops	10ar(i)	Bs Be/ Al/ Ka Er/ Gf Pu [dom.]	up to 60-80+ up to 30-40+ up to 30-40+ up to 30-40+	up to 6m up to 5-8m up to 6-8m up to 6-8m	up to 8m varies varies varies	good good/ fair good regrowth	varies: 3-5 [mainly 5]	medium-low	fragmented	adj.SEPP 19 /T&BPO	high level of disturbance/ modification; fragmented native community; many dead [standing] trees; weed thicket [<i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Lantana</i> , <i>Acer</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; native g/covers [<i>Hakea</i> , <i>Calochlaena</i> , <i>Smilax</i> , <i>Gleichenia</i> spp.].
Note: This area adjoins Areas R(v) and R(vi). Refer to following listings.												
Area R(v): bushland - lower slope [contiguous Area R(iv)]/ adj. to fairway No.18.	core bushland community s/s outcrops	10ar(i)	Be/ Al/ Ka Ceg/ Er Bs Aba	up to 50-60+ up to 40-60+ up to 80-100+ up to 60-80+	up to 4-7m up to 5-7m up to 7m up to 4-5m	varies varies up to 7m up to 4-5m	good good good good/ fair	varies: 1-3 [mainly 1]	high-medium	fragmented	SEPP 19/ T&BPO	low woodland/ tall heath community; varying level of disturbance; largely intact understorey/ high biodiversity; rock outcrops; some weeds/seedlings; some old growth specs. [Bs]; natives- [<i>Hakea gibbosa</i> , <i>Persoonia pinifolia</i> , <i>Lambertia formosa</i> , <i>Leionema</i> , <i>Bauera</i> , <i>Grevillea</i> , <i>Gleichenia</i> spp.].
Area R(vi): bushland - steep gully/ modified drainage lines [contiguous Area R(v)]/ adj. to fairway No.18.	remnant community s/s outcrops	10ar(i)	Ceg/ Had Cal/ Er Gf/Pu [dom.] Aba/Ac/Cgu	up to 50-60+ up to 50-60+ up to 30-40+ <5	up to 3-6m up to 3-6m up to 6-8m <1m	varies varies varies <1m	good good regrowth saplings/ regen.	varies: 1-5	high-low	fragmented	SEPP 19/ T&BPO	high level of disturbance/ modification assoc. w.altered drainage/ nutrients; fragmented native community; dom. weeds [<i>Ligustrum</i> , <i>Nephrolepis</i> spp.] native understorey [<i>Cyathea</i> , <i>Smilax</i> , <i>Gleichenia</i> spp.]; good native regen.

												incl. canopy spp. [Ac/ Cgu]/ area would respond to regen. strategy.
mown rough/ lower edge [Area R(vi)] to fairway No.18	tree group		Ceg [group] Ac Al/ Ka/ Had	80-100+ up to 40-50+ up to 30-40+	up to 3-7m <4m up to 3-6m	varies <3m varies	good fair/ regrowth good	5	low			remnant tree group/ mown rough; Ceg old growth group; Ac- ext. dead wood/ epicormic regrowth.
Area R(vii): bushland - lower slope below putting green [contiguous Area R(vi)]/ adj. to green No.18.	tree group remnant community s/s outcrops	10ar(i)/ 10ag(i)	Cgu [group] Esi [1] Esi [1] Esi [group] Cal/Ceg/Er Ka/ Be Gf/Pu [dom.]	up to 60-80+ 60-80+ 30-40+ up to 10-15+ up to 60-80+ up to 20-30+ up to 40-50+	up to 9-10m 12m 9m up to 6-8m up to 3-8m up to 4-5m up to 6-8m	up to 12m 12m 9m up to 2-4m varies varies varies	fair/ poor good v.poor fair/ poor good fair/ good regrowth	varies: 3-5	medium-low	fragmented	SEPP 19/ T&BPO	high level of disturbance/ modification assoc. w.altered drainage/ nutrients; fragmented native community; weed thicket [incl. <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Lantana</i> , <i>Ochna</i> , <i>Lophostemon</i> spp.]; native understorey [<i>Banksia spinulosa</i> <i>Persoonia</i> , <i>Smilax</i> spp.].
Area S(i): bushland - upper edge to mown grass [no fuel zone] adj. to Wollombi Rd. cul-de-sac	remnant community	10ar(i)	Al/ Ka/ Be Pu [dom.]	up to 20-30+ up to 30-40+	up to 3-6m up to 6-7m	varies varies	good regrowth	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO	high level of disturbance/ modification along edges; dom. weeds [<i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> spp.]; grading to core bushland community.
Area S(ii): bushland - upper ridge-top/ rock outcrops & scarp [contiguous w. Areas S(i)/ S(iii)].	core bushland community s/s scarp s/s outcrops	10ar(i)	Cgu [dom.] Al/ Ka/ Be Mea/ Bs/ Er Aba	up to 80-100+ up to 50-60+ up to 40-50+ up to 60-80+	up to 8-9m up to 5-7m up to 5-6m up to 4-5m	up to 10-12m up to 6-7m varies up to 4-5m	varies good good good/ fair	varies: 1-3	high-medium	contiguous	SEPP 19/ T&BPO	low woodland/ tall heath community assoc. w.significant scarp/ massive boulders & rock outcrops; largely intact native canopy/ understorey; high biodiversity; some weeds; old growth specs. [Cgu]/ varying condition [poor-good]; native understorey- [<i>Hakea gibbosa</i> , <i>Persoonia</i> , <i>Omalanthus</i> , <i>Dodonaea</i> , <i>Polyscias</i> , <i>Platysace</i> , <i>Acacia</i> , <i>Crowea</i> , <i>Billardiera</i> spp.]; controlled pile burn [2000/ 2003].
Area S(iii): bushland - lower slope [below rock outcrops/ scarp to fairway No.13 [contiguous w. Area S(ii)].	core bushland community s/s outcrops	10ar(i)	Cgu [dom.] Bs Al/ Ka/ Be Ahis/ Er	up to 80-100+ up to 80-100+ up to 50-60+ up to 50-60+	up to 8-9m up to 8m up to 5-7m up to 3-5m	up to 10-12m up to 10m up to 6-7m varies	varies good good good	1	high	contiguous	SEPP 19/ T&BPO	low woodland/ tall heath community; largely intact native canopy/ understorey; high biodiversity; some dead [standing] canopy trees; impeded drainage/ dom. g/covers- sedges; [Cgu/ Bs]- old growth specs.; natives- [incl. <i>Banksia oblongifolia</i> , <i>Persoonia linearis</i> , <i>P. levis</i> , <i>Hakea teretifolia</i> , <i>Grevillea buxifolia</i> , <i>Xanthorrhoea</i> , <i>Calochlaena</i> , <i>Gleichenia</i> , <i>Blandfordia</i> , <i>Aotus</i> , <i>Epacris</i> , <i>Woollsia</i> , <i>Caustis</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Lepidosperma</i> , <i>Billardiera</i> , <i>Cryptostylis</i> , <i>Wahlenbergia</i> <i>Smilax</i> spp.]; min. weeds/ seedlings.
Area S(iv): bushland - between	core	10ar(i)	Ac [1]	80-100+	9m	12m	v.poor	varies: 1-5	high-medium	fragmented	SEPP 19/	varying level of disturbance; largely

13th tee [back tee] & upper level to green No.12 [contiguous w. Area S(iii)].	bushland community s/s outcrops		Fru [1] Al/ Ka/ Bs Aba/Ceg/Er Gf/Pu [dom.]	60-80+ up to 50-60+ up to 50-60+ up to 30-40+	9m up to 5-7m up to 5-7m up to 7-8m	12m up to 6-7m varies varies	good varies varies regrowth				T&BPO	intact understorey/ varying condition; high biodiversity; rock outcrops; Ac[1]- old growth spec./ ext. crown die-back [90%]/ adventitious growth; natives [<i>Epacris</i> , <i>Bauera</i> , <i>Hypolepis</i> , <i>Calochlaena</i> , <i>Smilax</i> spp.]; weeds [<i>Cinnamomum</i> , <i>Ligustrum</i> spp.]; <i>Allocasuarina distyla</i> - likely cultivated; controlled pile burn [1998/ 2000].
rough/ grassed slope adj. to Weemala Rd. cul-de-sac [east of green No.12]	single tree		Epip [1]	80-100+	9m	18m	fair	5	low	fragmented		Epip[1]- old growth spec./ 1400mm diam. base; basal cavity/ some dead wood; lopped for o'head powerlines.
												Survey Date: 8 Dec-12 Dec 2008
Area S(v): rough between fairway No.12 & 13th tee [back tee]/ eastern end	tree group remnant community s/s outcrops	10ar(i)	Cgu [1] Ac [group] Er [2] Al/ Ka/ Had Pu [dom.]	80-100+ up to 30-40+ up to 50-60+ up to 30-40+ up to 30-40+	10m up to 9m 6-7m up to 3-7m up to 6-7m	12m up to 8m 5-6m up to 4-7m varies	v.poor good v.poor good regrowth	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	high level of disturbance/ modification narrow rough/ slope; rock outcrops; Cgu[1]- old growth spec./ext. die-back [90%]/ new regrowth; dead [standing] old growth trees [Cgu]; dom. weeds [<i>Ligustrum</i> , <i>Asparagus</i> spp.]; generic native plantation [<i>Euc. microcorys</i>]- western end of native group.
Area S(vi): rough between fairway Nos.12 & 13/ middle group	tree group remnant community	10ar(i)	Cgu [1] Epu [14+] Al/ Ka Er [1] Eha [1]	80-100+ up to 80-100+ up to 30-40+ up to 30-40+ unknown	9m up to 6-9m up to 5-6m 3m 1m	14m varies up to 6-7m 1m 1m	fair good varies v.poor regrowth	varies: 4-5	low	fragmented	adj.SEPP 19 /T&BPO	scattered remnant native tree group/ understorey in mown grass; significant Epu [14+]/ Cgu [1]- old growth group; Er [1]- ext. die-back; some native g/covers [<i>Lomandra</i> , <i>Dianella</i> spp.]; would respond to regen. strategy.
Area S(vii): rough between fairway No.13/ 12th tee & green No.11 [upper slope]	tree group remnant community s/s outcrops	10ar(i)	Cgu [1] Cgu [1] Ac [1] Ac [1] Al/ Ka Ceg/ Er Pu/Gf [dom.]	80-100+ 60-80+ 60-80+ 20-30+ up to 40-50+ up to 20-30+ up to 30-40+	9m 9m 10m 10m up to 6-7m up to 5-6m up to 6-7m	12m 9m 12m 7m up to 6-7m up to 2-3m varies	poor good good good varies good/ fair regrowth	varies: 3-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	remnant native tree group/understorey highly modified; ext. edge conditions maintained by mowing regime; Cgu[1]- old growth spec./ ext. crown die-back; natives- [<i>Acacia terminalis</i> , <i>Grevillea buxifolia</i> , <i>G. linearifolia</i> , <i>Omalanthus</i> , <i>Gahnia</i> , <i>Gleichenia</i> spp.]; dom. weeds [<i>Ligustrum</i> , <i>Lantana</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; gen. native planting [<i>Eucs.</i> / <i>Corymbia</i> , <i>Westringia</i> spp.- western end]; group would respond to regen. strategy.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area S(viii): rough between green No.11 & fairway No.13	tree group	10ar(i)	Ceg [5] Ceg [1]	?100-150+ ?100-150+	6-7m 6m	5-6m 5m	good poor	5	low	isolated	adj.SEPP 19 /T&BPO	Ceg [6]- significant old growth, multi-stem group in mown grass/ rough; possibly older age structure.

Area T: bushland - lower slope adj. to 15th tee [western side]	remnant community s/s outcrops	10ar(i)	Al/ Ka/ Be Pu/ Gf	up to 20-30+ up to 30-40+	up to 4-7m up to 6-7m	varies up to 7m	good regrowth	varies: 1-3	high-medium	contiguous	SEPP 19/ T&BPO	varying level of disturbance; area under regen.strategy; natives [incl. <i>Grevillea</i> , <i>Omalanthus</i> , <i>Banksia</i> spp.]; also gen. native planting; controlled broad area burn [2005].
rough/ slope between fairway No.15 & greens Nos.16 & 17.								5	low	isolated	adj.SEPP 19 /T&BPO	all gen. natives/ exotics planted in mown roughs.
Item U: mown grass/ rough between fairway Nos.14 & 18 [upper western slope]	single tree	10ar(i)	Ecam [1]	?80-100+	9m	14m	good	varies: 4-5 [mainly 5]	low	isolated	adj.SEPP 19 /T&BPO	Ecam [1]- <i>Eucalyptus camfieldii</i> significant old growth specimen listed as Vulnerable (Schedule 2-TSC Act/ EPBC Act) ROTAP: 2VCi; heavy pruning/ alignment to crown; isolated remnant native tree in mown rough & gen. native plantation [<i>Casuarina</i> sp]; natives [incl. <i>Acacia</i> sp.]; recommend cessation of mowing, install protective fencing/regen.strategy; seed collection for propagation [easy access to low hanging branches/seed]; currently not listed within SEPP 19 bushland.
Area V: mown grass/ rough between fairway Nos.13 & 14 [north-west of Area S(viii)]	tree group	10ar(i)	Cgu [2] Esi [1] Al [1]	80-100+ 50-60+ 40-50+	9-10m 9m 6m	12-14m 10m 7m	good/ fair lopped/ regrowth fair	5	low	isolated	adj.SEPP 19 /T&BPO	scattered remnant native tree group in mown rough; Cgu [2]- old growth specs./ 1000mm diam. bases [incl.1X fair/ multi-trunk spec./ dead wood]; Esi[1]-ext. dead wood; dom.cultivated natives [Eucs./ Mel./ <i>Casuarina</i> spp].
Area X(i): bushland - upper edge to green No.10 & adj. to vehicular service road to maintenance compound.	tree group remnant community s/s outcrops	10ar(i)	Fru [1] Ac [3] Abin [1] Gf/Pu [dom.]	80-100+ up to 60-80+ 50-60+ up to 60-80+	10m up to 16m 9m up to 6-10m	18m up to 16m 12m varies	good good poor good	varies: 4-5	low	fragmented	SEPP 19/ T&BPO SREP 23	remnant native tree group/understorey high level of disturbance/ modification along edges; dom. weeds [<i>Ligustrum</i> , <i>Lantana</i> , <i>Cinnamomum</i> , <i>Acetosa</i> spp.]; dead [standing] native trees; grading to core bushland community; Abin [1]- <i>Acacia binervia</i> - possibly cultivated origin; native understorey [incl. <i>Cyathea</i> , <i>Calochlaena</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area X(ii): bushland - upper slopes/ rock outcrops adj. to fairway No.10 [continuation of Area X(i)].	remnant community s/s outcrops	10ar(i)	Cgu/ Epip Esi Ceg Al/ Bs/ Er	up to 80-100+ up to 80-100+ up to 80-100+ up to 40-50+	up to 12-16m up to 12-16m up to 4-7m up to 4-7m	up to 18m up to 18m up to 2-5m varies	varies varies good good	varies: 2-4	high-low	fragmented	SEPP 19/ T&BPO SREP 23	varying level of disturbance; largely intact understorey/ varying condition; high biodiversity incl. old growth [Cgu/ Epip/ Esi/ Ceg] specimens; rock outcrops; native understorey [incl. <i>Lomatia silaifolia</i> , <i>Dodonaea</i> , <i>Gahnia</i> , <i>Calochlaena</i> , <i>Smilax</i> spp.]; weeds

Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												[<i>Cinnamomum</i> , <i>Ligustrum</i> spp.];
Area X(iii): bushland - upper slopes & steep gully/ below wall & extending to golf cart pathway adj. to fairway No.10 [continuation of Area X(ii)].	core bushland community s/s outcrops	10ar(i)/ 10ag(i)	Epip [2] Epip/ Cgu Ac [dom.] Ai [1] Cal Egl [1] Al/ Bs/ Er Ai/ Ka/ Had Gf/Pu [dom.]	?150-200+ up to 80-100+ up to 80-100+ 80-100+ up to 80-100+ 60-80+ up to 50-60+ up to 50-60+ up to 60-80+	14-16m up to 16m up to 16m 10m 15m up to 5-6m up to 6-7m up to 6-7m up to 6-8m	20-22m varies varies 7m 14m up to 6-8m varies varies varies	good good good good fair good good good good	varies: 1-5	high-low	contiguous	SEPP 19/ T&BPO SREP 23	varying level of disturbance; largely intact native canopy & understorey/ varying condition; significant rock outcrops; Epip[2]- significant old growth specs. of massive scale [adj. to wall]/ 1400-1500mm diam. bases/ some cavities/ dead wood; other old growth [Cgu/ Ac/ Ai/ Cal] specs.; Egl [1]- ext. die-back/ dead wood; native understorey [incl. <i>Lomatia silaifolia</i> , <i>Gahnia</i> , <i>Dodonaea</i> , <i>Polyscias</i> , <i>Calochlaena</i> , <i>Cryptostylis</i> , <i>Smilax</i> spp.]; weeds- [<i>Ligustrum</i> , <i>Nephrolepis</i> spp.];
Note: This area is contiguous with Areas X(i)-(vii). Refer to following listings. Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area X(iv): bushland - ridge adj. to 10th tee & golf cart path [continuation of Area X(iii)].	core bushland community s/s outcrops	10ar(i)	Ac [dom.] Epip/ Esi Al/ Bs/ Er Ai Pu [dom.]	up to 80-100+ up to 20-40+ up to 30-50+ up to 30-40+ up to 20-30+	up to 10-14m up to 8-9m up to 6-8m up to 9m up to 6-7m	up to 12m varies varies varies varies	good varies good fair regrowth	varies: 2-4 [mainly 3]	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	varying level of disturbance; largely intact native canopy & understorey/ significant rock outcrops; [Ac]- old growth specimens; native understorey [incl. <i>Grevillea</i> , <i>Crowea</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Pteridium</i> , <i>Smilax</i> spp.]; some weeds [<i>Asparagus</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area X(v): bushland - steep upper & mid-level slopes of sheltered valley [continuation of Area X(iii)].	core bushland community s/s outcrops	10ag(i)/ 10ag(ii)	Ac [dom.] Epip/Cgu/Esi Ceg/Had/Er Pu/ Gf	up to 80-100+ up to 80-100+ up to 50-80+ up to 30-40+	up to 20-25m up to 16-22m up to 7-10m up to 8-12m	varies varies up to 4-5m varies	good good good regrowth	varies: 1-2	high	contiguous	SEPP 19/ T&BPO SREP 23	varying level of disturbance; largely intact native canopy & understorey/ rock outcrops; high biodiversity [incl. old growth Ac, Epip, Cgu, Esi]; native understorey- [<i>Grevillea</i> , <i>Platylobium</i> , <i>Lomatia</i> , <i>Epacris</i> , <i>Bauera</i> , <i>Gahnia</i> , <i>Calochlaena</i> , <i>Smilax</i> , <i>Cryptostylis</i> spp.]; some weeds- [<i>Cinnamomum</i> , <i>Lantana</i> , <i>Ligustrum</i> spp.].
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Area X(vi): bushland - lower valley floor/ creek-line to walking track/ timber bridge [continuation of Area X(v)]	core bushland community s/s outcrops	10ag(ii)/ 10ag(iii)	Epip [4] Cal Pu/ Gf	?150-200+ up to 30-40+ up to 30-40+	25-30m up to 3-5m up to 10-12m	30-35m+ varies varies	good good regrowth	varies: 1-3	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	varying level of disturbance; largely intact native canopy incl. Epip [4]- significant group of old growth specs. [on creek-line] of massive scale 1000-1600mm diam.bases/ single & multiple trunks/ some cavities & dead wood; native understorey along creek-line highly disturbed/ modified [<i>Cyathea cooperi</i> , <i>C. australis</i> [up to 12m HT] & <i>Dicksonia antarctica</i> , <i>Eustrephus</i> , <i>Pandorea</i> , <i>Calochlaena</i> , <i>Smilax</i> , <i>Platyserium</i> spp.]; dom. weeds

Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													<i>Cinnamomum, Lantana, Ligustrum, Tradescantia</i> spp.]; would respond to regen. strategy.
Area X(vii): bushland - upper slope/ edges to 9th tee	remnant community s/s outcrops	10ar(i)	Ac [dom.] Epip/Cgu/Esi Al/ Er Gf/Pu [dom.]	up to 60-80+ up to 60-80+ up to 30-40+ up to 30-40+	up to 14-16m up to 12-14m up to 5-7m up to 6-8m	varies varies up to 3-5m varies	good varies good regrowth	varies: 2-5	high-low	fragmented	SEPP 19/ T&BPO SREP 23	high level of disturbance/ modification along edges; dom. weeds [<i>Ligustrum, Nephrolepis</i> spp.]; grading to core bushland; native understorey [<i>Gahnia, Pteridium</i> spp.]; also cultivated gen. natives/ exotics.	
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
Area X(viii): mown grass/ rough between fairway Nos.8 & 9 [eastern end near 9th tee]	tree group	10ar(i)	Cgu/ Ac	up to 80-100+	up to 9-14m	up to 18m	good/ fair	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	scattered remnant native tree group in mown rough; av. age structure 50-80 years+/ group incl. old growth specs.	
rough/ steep embankment & s/s wall between fairway Nos.8 & 9. [continuation of Area X(viii)].	remnant community		Esi [group] Ceg [1] Al/ Ka Bs/ Er Pu	up to 80-100+ up to 80-100+ up to 40-60+ up to 40-60+ up to 30-40+	up to 9-14m 6m up to 4-8m up to 5-7m up to 6-8m	up to 18m 4m up to 6-7m up to 3-7m varies	good/ fair good varies varies regrowth	varies: 2-5	high-low	contiguous		varying level of disturbance; largely intact native canopy/ narrow linear group on steep embankment incl. old growth specimens [Esi]; Ceg [1]- old growth [possibly much older]; native understorey [incl. <i>Grevillea, Breynia, Pteridium, Lomandra, Themeda, Dianella, Dichelachne, Calochlaena</i> spp.]; area would respond to regen. strategy; dom. exotic weeds/ grasses.	
rough/ steep embankment between 8th tee & green No.9/			Epu/Cgu/Esi Bs/ Er	up to 30-50+ up to 40-50+	up to 9m up to 8m	up to 12m varies	varies good	varies: 3-5	medium-low	fragmented		remnant native tree group/understorey highly modified; ext. edge conditions maintained by mowing regime; group incl.old growth specs.[Ac, Epip, Cgu]/ varying condition; Ceg [group]- significant old growth specs. on slope & forming arc around green No.9; natives- [incl. <i>Persoonia linearis, Leptospermum trinervium, Breynia, Calochlaena</i> spp.]; dom. weeds.	
western side of green No.9 [continuation of Area X(viii)].			Ac/Epip/Cgu Ceg [group]	up to 80-100+ ?100-150+	up to 14-16m up to 5-9m	varies up to 5-6m	good good						
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
Survey Date: 4 Aug-8 Aug 2008													
Area Y(i): bushland adj. to walking track [Dorset Road]/ between foreshore and NGC fairway #12 [south-east portion]	core bushland community s/s outcrops s/s scarps waterfall	10ag(i)	Ac/ Epip Cgu/ Esi Al/ Er/ Ceg Pu/ Gf	up to 80-100+ up to 80-100+ av. 20-30+ av. 20-30+	up to 16-22m up to 16-22m up to 7-9m up to 7-9m	varies varies varies varies	good good good good	varies: 1-3 [mainly 1]	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	contiguous/linear bushland community native canopy & understorey; varying age structure w.old growth specs.; significant rock outcrops/ scarps; varying level of disturbance/weed invasion along cleared edges & drainage lines; high biodiversity/ native understorey- <i>Grevillea, Persoonia, Xanthorrhoea, Notelaea, Clerodendrum, Platylobium</i>	

													Platysace, Breynia, Smilax, Hypolepis Acacia, Pteridium, Gleichenia, Gahnia Dianella, Lepidosperma spp]; high level of mesic shift/ regrowth [Pittosporum, Glochidion spp. dom.]; weeds [incl. Ligustrum, Nephrolepis, Tradescantia, Asparagus spp.].
Note: Area Y(i) contains known <i>Phytophthora</i> sp. sites. This area is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
Area Y(ii): bushland walking track off Dorset Road [adj. to cul-de-sac]	single tree remnant community s/s outcrops	10ag(i)	Fru [1]	150+	12m	25m	good	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	highly disturbed & modified bushland; Fru [1]- significant old growth spec./ multiple trunks [10No.] av.400-700mm diam.; basal area approx. 10m diam.; old creek-line; dom. weeds.	
Note: Area Y(ii) contains known <i>Phytophthora</i> sp. sites. This area is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.													
Strathallen Avenue - Residential Properties:												Survey Date: 3 Nov-7 Nov 2008	
2 Stathallen Ave: north-eastern [front] garden/ bdy. to No.4	two trees s/s outcrops	10ar(i)	Ceg [1] Ceg [1]	60-80+ 30-40+	3m 3m	2m 2m	good good	varies: 3-5 [mainly 5]	medium-low	isolated	T&BPO	significant/ visually prominent rock outcrop; exotic garden/ lawns; Ceg[2]- possibly planted; remnant native ferns & g/covers [Epacris, Acacia, Dianella Gleichenia (2 spp.), Lomandra spp.] assoc. w. rock outcrops; dom. weeds [Nephrolepis spp.].	
upper rear garden [northern bdy]	remnant community												
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-4 Strathallen Avenue.													
4 Stathallen Ave: south-eastern [front] garden/ bdy. to No.2	s/s outcrops	10ar(i)						varies: 4-5 [mainly 5]	low	isolated	T&BPO	significant/ visually prominent rock outcrop; garden/lawns; remnant native g/covers assoc. w. rock outcrop [incl. Lomandra, Pteridium, Dianella spp.]; Pu regrowth; dom. weeds; gen. native planting incl. Banksia serrata . no access to rear garden [owner].	
rear garden/ adj. to west bdy. No.59 Cliff Ave.	single tree		Fru [1]	30-40+	7m	6m	good						
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-4 Strathallen Avenue.													
26 Stathallen Ave: rear garden/ steep slope on lower level adj. to rear bdy. 75 & 77 Cliff Avenue	single tree s/s outcrops	10ar(i)	Ac [1]	60-80+	10m	12m	fair	5	low	restricted	T&BPO	rock outcrops/ scarp; dom. weeds/ exotics [weed thicket] incl. Morus / Cinnamomum spp; Ac [1] - ext. dead wood; native Pu regrowth	
18 Stathallen Ave: front garden/ steep gully/ mid-level terrace	tree group	10ag(i)	Ceg [2] Pu	60-80+ up to 40-60+	7-8m 7-8m	4-5m varies	good regrowth	5	low	isolated	T&BPO	exotic terraced garden/ steep gully; Ceg [2]- possibly much older.	
31 Stathallen Ave: rear garden/ upper terrace adj. to garage	single tree	10ar(i)	Epu [1]	40-50+	9m	10m	good	5	low	isolated	T&BPO	exotic garden; Epu [1]- some dead wood/ likely planted.	
Strathallen Avenue - Road Reserves and Drainage Easements:												Survey Date: 4 Aug-8 Aug 2008	
Refer to Cliff Avenue - Road Reserves and Drainage Easements: for two public reserves adj. to Suspension Bridge [northern side].													
Tarakan Crescent - Residential Properties:												Survey Date: 31 Aug-4 Sep 2009	
1 Tarakan Cres: rear garden/ lower level adj. to reserve	tree group s/s outcrops	10ag(i)	Cal Pu [dom.] Gf [2]	up to 5-10+ up to 15-20+ 15-20+	up to 3m up to 6-7m 4-7m	varies varies 2-3m	good good/ regrowth good/ regrowth	5	low	restricted	adj.SEPP 19 /T&BPO	exotic garden/ rock outcrops; generic native rain forest planting extends into reserve [incl. Archontophoenix sp.];	

												<i>Callicoma serratifolia</i> - likely planted; min. weeds; subject to bdy. survey.
3 Tarakan Cres: rear garden/ adj. to bdy. No.5 Tarakan Cres.	single tree s/s outcrops	10ag(i)	Gf [1]	50-60+	8m	9m	good	5	low	restricted	adj.SEPP 19 /T&BPO	exotic garden/ rock outcrops; lawn
5 Tarakan Cres: rear garden/ lower lawn level adj. to reserve	tree group s/s outcrops	10ag(i)	Ac [2] Gf [1] Gf [2]	30-40+ 60-80+ 40-50+	9-14m 10m 9m	8-10m 15m 9m	good good good	5	low	fragmented	adj.SEPP 19 /T&BPO	exotic garden/ rock outcrops; generic native planting [<i>Banksia integrifolia</i>]; Ac [2]- possibly planted.
10 Tarakan Cres: rear garden/ steep terraced slope	tree group s/s outcrops	10ag(i)	Ac [1] Ac [2] Gf [1]	80-100+ 50-60+ 60-80+	18m 12-16m 7m	20m 4-5m 7m	good fair/ good good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /T&BPO	exotic garden/ steep slope; significant rock outcrops; Ac [1]-old growth spec. on upper slope; native ferns [<i>Cyathea</i> , <i>Doodia</i> , <i>Adiantum</i> spp.] - all possibly cultivated origin; gen. native planting [<i>Eucalyptus elata</i> , <i>Casuarina</i> spp.]; no access.
The Outpost - Residential Properties:												Survey Date: 9 Nov-13 Nov 2009
1 The Outpost: front garden/ upper scarp/ terraces adj. to bdy. No.3 The Outpost	tree group s/s scarp s/s outcrops	10ag(i)	Epu [1] Ac [1] Cgu [1] Bs [1] Gf [1]	20-30+ 50-60+ 60-80+ 15-20+ 20-30+	9m 9m 10m 6m 8m	6m 6m 10m 4m 5m	good good fair good good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	exotic terraced garden; significant s/s outcrops & scarp; Epu[1]- on upper scarp; Cgu [1]- some dead wood; Bs [1]- possibly planted; native ferns [<i>Todea barbara</i> , <i>Pyrrosia rupestris</i> , <i>Davallia pyxidata</i>]; <i>Cyathea australis</i> <i>Thelychiton</i> (syn. <i>Dendrobium</i>) spp. - cultivated origin; listings subject to bdy. survey; no access onto property.
rear terraced garden/ adj. to bdy. No.1A The Outpost			Eha [1]	40-50+	12m	12m	good	5	low			
1A The Outpost: rear garden/ upper lawn terrace	single tree	10ag(i)	Ac [1]	60-80+	18m	16m	good	5	low	restricted	adj.SEPP 19 /T&BPO SREP 23	exotic terraced garden; no access onto property.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
3 The Outpost: front garden	tree group s/s scarp s/s outcrops	10ag(i)	Er [1] Gf [1]/ Pu	15-20+ up to 20-30+	7m 7-8m	1m 3-6m	good good/ regrowth	5	low	restricted	adj.SEPP 19 /T&BPO	exotic terraced garden; significant s/s outcrops & scarp; Er [1]- adj. to bdy. No.5; Gf [1]- adj. to steps; weeds [incl. <i>Ligustrum</i> , <i>Cinnamomum</i> spp.].
5 The Outpost: front garden/ upper slope/ adj. to front bdy.	single tree s/s outcrops	10ag(i)	Epu [1]	40-50+	9m	8m	poor	5	low	restricted	adj.SEPP 19 /T&BPO	exotic garden/ steep embankment; significant rock outcrops; Epu[1]- ext. dead wood & crown die-back/ competition w. <i>Cinnamomum</i> sp. (herbicidal treatment); <i>Omalanthus</i> sp./ Pu regrowth; dom. weeds [incl. <i>Asparagus</i> , <i>Nephrolepis</i> spp.].
9 The Outpost: rear garden/ adj. to rear bdy. to reserve	single tree	10ag(i)	Gf [1]	60-80+	9m	10m	good	5	low	fragmented	adj.SEPP 19 /T&BPO	exotic garden; Gf [1]-multi-trunk spec.; subject to bdy. survey; no access.
												Survey Date: 25 Jan-29 Jan 2010

15 The Outpost: front garden/ adj. to lower west bdy.	tree group s/s outcrops	10ag(i)	Epip [1]	60-80+	10m	15m	poor	5	low	fragmented	adj.SEPP 19 /T&BPO	exotic garden; significant s/s outcrops; Epip [1]- twin trunk spec.; ext. crown die-back (40%); Pu regrowth; generic native planting [Eucs.]; <i>Cyathea</i> sp.
rear garden/ garden beds in open lawn	remnant community		Bs [1] Epip [1] Ceg [1] Gf [1]	40-50+ 15-20+ 15-20+ 15-20+	5m 10m 4m 7m	7m 7m 2m 5m	good good good good	varies: 4-5 [mainly 5]				natives/ regen. [<i>Grevillea linearifolia</i> , <i>Banksia serrata</i> , <i>B. spinulosa</i> , <i>Acacia</i> , <i>Pteridium</i> spp.]/ some restoration planting; weeds [incl. <i>Cinnamomum</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.]; listings subject to bdy. survey; no access.
The Outpost - Road Reserves and Drainage Easements:												Survey Date: 9 Nov-13 Nov 2009
planted verge adj. to Warners Park (Area D) & The Palisade (western side of roadway)	remnant community	10ag(i)	Ac [dom.]	<1-3	<0.5m	<0.5m	good/ regen.	varies: 3-5	medium-low	fragmented	adj.SEPP 19 /T&BPO	verge restoration planting [<i>Imperata</i> sp.(dom.)]; good Ac regen./ voluntary colonisation [incl. <i>Acacia</i> , <i>Pteridium</i> , <i>Polyscias</i> spp.]; weeds [incl. <i>Acetosa</i> , <i>Ehrharta</i> spp.].
public verge adj. to No.8 The Outpost	two trees	10ag(i)	Ac [1] Epip [1] Ap [1]	50-60+ 30-40+ <5	9m 9m 2m	12m 12m 1m	good good poor/ lopped	5	low	fragmented	T&BPO	mown grass; Epip [1]- some dead wood; <i>Acacia</i> sp.; exotics/ weeds; no native g/covers.
public verge adj. to rear bdy. No.25 Kameruka Rd. [The Outpost/ verge frontage]	single tree s/s outcrops	10ag(i)	Gf [1]	15-20+	8m	5m	good	5	low	restricted	T&BPO	dom. weeds [incl. <i>Tradescantia</i> sp.]; rock outcrops.
public verge adj. to rear bdy. No.29 Kameruka Rd. [The Outpost/ verge frontage]	tree group	10ag(i)	Eha [1] Ac [1]	60-80+ 50-60+	8m 10m	12m 9m	fair good	5	low	restricted	T&BPO	mown grass; Eha[1]- 2X trunks/ ext. dead wood & insect damage/ sparse canopy & some pruning.
The Outpost - Public Reserves:												Survey Date: 31 Aug-4 Sep 2009
Warners Park (Warners Bay Group) Warners Park is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas (Public Open Space) in the Willoughby City Bushland Plan of Management (2000). The park was named after J.R. (Reg) Warner who operated the local 'Waratah' dairy in 1914. The land was subdivided in 1942 and 5 acres [1.97 Ha] were donated to Willoughby Council for public recreation. The park was later enlarged. Northbridge Bowling Club was established in 1954. The Northbridge Womens Bowling Club operated between 1957-2001. [source: WCC reserve signage].												
Warners Park listings are divided into Areas A-E [refer to aerial photos] as follows:												
Area A(i): remnant bushland- upper gully/ adj. to creek-line between open lawn/ playground & Eastern Valley Way [west]	s/s outcrops remnant community	10ag(iii)	Pu [dom.] Gf	up to 40-50+ up to 40-50+	up to 6-9m up to 6-9m	varies varies	good good	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO	significant rock outcrops/ creek-line; high level of disturbance/ modification; no native canopy/mesic shift in under- storey [<i>Pittosporum undulatum</i> (dom.), <i>Glochidion</i> spp.]; dom. weed canopy/ understorey thicket/ up to 90-100% cover [incl. <i>Erythrina</i> , <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Phyllostachys</i> , <i>Lantana</i> , <i>Ipomoea</i> , <i>Tradescantia</i> spp.]; current
Area A(ii): remnant bushland- creek-line adj. to rear bdy. Nos.1-5 Tarakan Cres.			Fru/ Cal/ Er Cea/ TI	up to 5-10+ up to 5-10+	up to 2-4m up to 2-4m	varies up to 1-2m	good good					

												restoration strategy/ local native spp. [incl. <i>Ceratopetalum apetalum</i> , <i>Ficus coronata</i> , <i>Tristaniopsis laurina</i> , <i>Callicoma serratifolia</i> , <i>Elaeocarpus</i> spp.] - all likely planted; also older gen. native rainforest planting [incl. <i>Ficus macrophylla</i> (16m HT/ mature spec.), <i>Archontophoenix</i> spp.]; <i>Cyathea/ Pteris</i> spp. - likely cultivated origin; remnant native ferns [incl. <i>Hypolepis</i> , <i>Calochlaena</i> spp.].
												Survey Date: 12 Dec-18 Dec 2009
Area B(i): upper north-western bdy. to Eastern Valley Way		10ag(i)						5	low	restricted	SEPP 19/ T&BPO	recent restoration planting [Eha/ Ac/ <i>Acacia</i> spp.] unknown provenance; dom. weeds.
Area B(ii): remnant bushland- upper north-western slopes between Eastern Valley Way & creek-line [adj. rear bdy Nos.2-16 Morotai Crescent	s/s outcrops s/s scarp tree group remnant community	10ag(i)/ 10ag(iii)	Pu [dom.] Cal	up to 60-80+ <5	up to 7-9m up to 2-3m	up to 7-9m up to 2m	regrowth good	varies: 4-5 [mainly 5]	low	fragmented		significant s/s scarp & rock outcrops; highly disturbed/ modified community; no native canopy trees; sub-canopy mesic shift/ Pu regrowth; natives [incl. <i>Callicoma</i> , <i>Omalanthus</i> , <i>Calochlaena</i> , <i>Hypolepis</i> , <i>Pteris</i> , <i>Platynerium</i> spp. (epiphyte on Pu host)]; also restoration planting; <i>Cyathea</i> sp. - cultivated origin; old exotics/weeds [incl. <i>Cinnamomum</i> , <i>Erythrina</i> , <i>Populus</i> spp.]; dense weed thicket [<i>Ligustrum</i> , <i>Lantana</i> , <i>Cestrum</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Anredera</i> , <i>Tradescantia</i> spp.]; current regen./ restoration strategy.
Area B(iii): remnant bushland- upper northern/ north-eastern slopes to creek-line [adj. to playground & rear bdy. to Nos.18-26 Morotai Crescent	s/s outcrops tree group remnant community	10ag(i)/ 10ag(iii)	Epip [dom.] Ac [dom.] Pu [dom.]	up to 80-100+ up to 80-100+ up to 30-40+	up to 16-18m up to 16-18m up to 6-8m	varies varies varies	fair good good/ regrowth					steep slope; significant rock outcrops; highly disturbed/ modified community; remnant native canopy incl. old growth specimens [Epip/ Ac (co-doms.)]; Pu regrowth; some remnant natives [incl. <i>Pteridium</i> , <i>Dianella</i> , <i>Lomandra</i> spp.]; weed thicket [as above]; ext. generic/ native/ exotic planting [<i>Euc. grandis</i> / <i>microcorys</i> , <i>Corymbia maculata</i> , <i>Melaleuca</i> , <i>Tristaniopsis</i> , <i>Pinus</i> spp.]; controlled broad area burn in 2007.
Note: Warners Park: Area A(iii) is contiguous with bushland in Keep Reserve (Refer to Castlecrag: The Rampart - Public Reserves: Keep Reserve)												
												Survey Date: 31 Aug-4 Sep 2009
Area C: mown lawns/ parkland								5	low	restricted	adj.SEPP 19	highly modified parkland; planted

& car parking area											/T&BPO	native spp./ unknown origin [incl. <i>Euc. haemastoma</i> , <i>Angophora costata</i> , <i>Banksia integrifolia</i> , <i>B. serrata</i> , <i>Elaeocarpus</i> spp.].
Area D: eastern reserve between Northbridge Bowling Club & rear bdy. to Nos. 6-8 The Outpost								5	low	restricted	adj.SEPP 19 /T&BPO	highly modified parkland; planted gen. natives [incl. <i>Eucalyptus grandis</i> , <i>E. punctata</i> , <i>E. botryoides</i>]; restoration planting [<i>Ficus coronata</i> , <i>Syncarpia</i> , <i>Cissus hypoglauca</i> , <i>Acmena</i> spp.]; exotics/ weeds [<i>Phyllostachys</i> sp.].
Area E: remnant bushland-eastern gully slope/ adj. to old creek-line & bdy. to No.8 The Outpost	tree group s/s outcrops remnant community	10ag(i)	Ac [dom.] Pu [dom.] Gf Er	up to 60-80+ up to 30-40+ up to 15-20+ <5-10	up to 18m up to 6-8m up to 7m <2m	varies varies up to 3-4m <1m	good good/ good good	varies: 3-5 regrowth	medium-low	contiguous	adj.SEPP 19 /T&BPO	significant remnant native tree group/ community; Ac (dom.) canopy/ av. age structure 15-25+ yrs.; rock outcrops; varying level of disturbance; natives [incl. <i>Omalanthus</i> , <i>Pteridium</i> , <i>Smilax</i> , <i>Hypolepis</i> , <i>Dianella</i> , <i>Lomandra</i> spp.]; Pu (dom.); weed thicket (dom.) up to 90-100% cover [incl. <i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Ochna</i> spp.]; area would respond to regen. strategy; generic native overlay [incl. <i>Euc. grandis</i> , <i>Syncarpia</i> , <i>Toona</i> spp.] & adj. to bdy. No.8 [incl. <i>Banksia serrata</i> , <i>Euc. haemastoma</i> , <i>Callitris</i> , <i>Elaeocarpus</i> spp. (pink fl. hybrid)].
Refer to The Outpost & The Palisade - Road Reserves and Drainage Easements for adjacent listings on road verges and islands.												
The Palisade - Residential Properties:												Survey Date: 25 Jan-29 Jan 2010
3 The Palisade: front garden/ s/s outcrops	s/s outcrops remnant community	10ag(i)	Fru [1]	<5	1m	0.5m	good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	exotic garden; native ferns assoc. w. significant s/s outcrops; native ferns [<i>Calochlaena</i> , <i>Asplenium</i> , <i>Microsorium</i> spp.]; <i>Cyathea</i> sp.- cultivated origin; weeds; listings subject to bdy. survey. cultivated gen. natives [incl. <i>Corymbia citriodora</i> , <i>Acacia</i> spp.]; Brush Turkey [adult pair]/frequent visitors; controlled pile burn in adj. reserve (2003).
rear garden/ adj. to reserve bdy.												
The Palisade - Road Reserves and Drainage Easements:												Survey Date: 9 Nov-13 Nov 2009
roundabout/ island in roadway intersection: The Palisade/ The Outpost [opposite No.3 The Palisade & Sailors Bay Walking Track - entry/ exit]	single tree remnant community	10ag(i)	Ac [1] Ac/ Gf/ Er Ebo [1]	50-60+ <5 <5	16m <0.5m 2.5m	7m <0.5m 1m	good good/ good	varies: 3-5 regen.	medium-low	fragmented	adj.SEPP 19 /T&BPO	Ac [1]- competition w. <i>Lophostemon</i> sp. [cultivated origin]; good Ac/ Gf/ Er regen./ voluntary colonisation [incl. <i>Grevillea linearifolia</i> , <i>Acacia linifolia</i> , <i>Leptospermum</i> , <i>Lomandra</i> , <i>Pteridium</i> , <i>Dianella</i> , <i>Entolasia</i> spp.]; possibly

												some restoration planting [incl. <i>Platylobium</i> sp.]; Ebo [1]- likely self-sown/ planted trees in adj. reserve; dom. weeds [<i>Ehrharta</i> , <i>Briza</i> spp.].
Tunks Street - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
50 Tunks Street: rear garden	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; generic native planting; no access; remnant native ferns may be present.
Note: Locally significant sandstone scarp/ rock outcrops extending through rear garden of 50 [splitting garden into upper and lower levels].												
52 Tunks Street: rear garden/ rear boundary	s/s scarp s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops/ scarp; dom. weeds/ exotics; no native canopy; remnant native ferns may be present.
Note: Locally significant sandstone scarp/ rock outcrops extending along rear boundaries of 52 Tunks Rd and 58-60 Kameruka Road.												
Tunks Street - Road Reserves and Drainage Easements:												Survey Date: 16 Mar-20 Mar 2009
unmade road reserve/ steep embankment [northern end] adj. to Kameruka Road	s/s scarp s/s outcrops tree group	10ar(i)/ 10ag(i)	Gf [1] Gf [2] Ac [1] Pu	80-100+ 20-30+ 20-30+ up to 30-40+	7m 6m 8m up to 4-6m	14m 6m 4m varies	good good fair regrowth	varies: 4-5 [mainly 5]	low	restricted	T&BPO	highly disturbed/ modified community; significant scarp/rock outcrops; upper lawn/exotics; steep embankment/ current bush restoration strategy incl. ext. generic native planting [<i>Casuarina</i> , <i>Melaleuca</i> , <i>Eucs.</i> / <i>Corymbia</i> , <i>Banksia</i> spp.] & more recent overlay of local natives [incl. <i>Callicoma</i> , <i>Elaeocarpus</i> , <i>Hakea</i> , <i>Themeda</i> , <i>Imperata</i> spp.]; Gf [1]- old growth specimen; Gf/ Pu regrowth; Ac [1]- likely planted.
Tycannah Road - Residential Properties:												Survey Date: 27 Apr-1 May 2009
14 Tycannah Road: front garden Note: Aboriginal Archaeological Site recorded [NPWS 45-6-645?] in WCC Bushland POM (2000).												residential lot/ exotic garden; owner/ no knowledge of archaeological site.
17 Dalmeny Road: front garden Note: Aboriginal Archaeological Site recorded [NPWS 45-6-645?] in WCC Bushland POM (2000).												residential lot/ exotic garden; to confirm data.
Ulric Lane - Residential Properties:												Survey Date: 6 Oct-10 Oct 2008
1A Ulric Lane: rear garden/ lower level/ rock shelf & scarp [bdy. to No.7 Upper Cliff Ave]	s/s outcrops two trees	10ar(i)	Er [2]	10-15+	6-7m	3m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	rock shelf/ significant scarp lower bdy; remnant natives [incl. <i>Calochlaena</i> sp]; Pu regrowth; dom. weeds [<i>Lantana</i> , <i>Nephrolepis</i> , <i>Genista</i> spp]; no access.
2 Ulric Lane: front garden/ upper level/ scarp adj. to bdy. Ulric Lane]	s/s scarp s/s outcrops tree group remnant community	10ar(i)	Aba [1] Aba [4] Ka	80-100+ unknown <5	6m <1.5m <2m	7m <1.5m <2m	v.poor lopped good/ regen.	varies: 4-5 [mainly 5]	low	restricted	T&BPO	Aba[1]- old growth spec. 400mm diam. base/possibly much older/ 90% crown die-back/ vigorous epicormic growth; Aba [4]- regrowth from stumps/lopped to base; remnant native group assoc. w. significant scarp/ rock outcrops; current site development; dom. weeds;

												cultivated generic natives.
Weemala Road - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
1 Weemala Rd: front garden/ upper level adj. to entry steps & bdy. to No.3 Weemala Rd.	tree group s/s outcrops	10ar(i)	Esi [1] Ceg [1] Cal [1] Al [1]	60-80+ 50-60+ 50-60+ 5-10+	12m 3m 3m 4m	14m 3m 3m 3m	good good good good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	garden; significant rock outcrops; Esi [1]- multi-trunk spec.; Cal [1]- multi- stemmed/ possibly older; ext. native planting mixed w. remnant natives; <i>Banksia ericifolia</i> , <i>B. spinulosa</i> , <i>B.</i> <i>serrata</i> , <i>B. integrifolia</i> , <i>Cyathea</i> spp.- all likely cultivated origin.
2 Weemala Rd: front garden	remnant community	10ar(i)	Ka/ Al	<5	1-2m	1-2m	good/ regen.	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	significant scarp/rock outcrops; highly modified/ dom. weeds [incl. <i>Lantana</i> , <i>Senna</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> spp.]; native regen. [Al/ Ka] assoc. w. rock outcrops; native g/covers [incl. <i>Wahlenbergia</i> , <i>Gleichenia</i> spp]; subject to boundary survey.
rear garden	s/s scarp s/s outcrops							5				
4 Weemala Rd: front garden/ adj. to front bdy. & pedestrian right-of-way [Ted Brown Lane].	two trees	10ar(i)	Al [1] Aba [1]	20-30+ 15-20+	4m 3m	5m 2m	good good	5	low	restricted	T&BPO	Al [1]- pruned under o'head power- lines; gen. native planting- <i>Banksia</i> , <i>Acacia</i> , <i>Dianella</i> spp.- likely cultivated.
8 Weemala Rd: rear garden/ upper level/ rock outcrops	s/s outcrops s/s scarp remnant community	10ar(i)	Bs [1] Had [1]	20-30+ 20-30+	6m 4m	7m 2m	good good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant scarp/rock outcrops; highly modified/ weed thicket [incl. <i>Lantana</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Ochna</i> spp]; Pu regrowth [dom.]; remnant natives [incl. <i>Calochlaena</i> , <i>Pteridium</i> , <i>Smilax</i> spp.]; subject to bdy. survey.
9 Weemala Rd: rear garden/ lower level [lawn]	single tree	10ar(i)	Cgu [1]	80-100+	10m	15m	poor	5	low	isolated	T&BPO	exotic garden; Cgu [1]- old growth specimen/ ext. crown die-back (50%)/ dead wood; dom.weeds [<i>Genista</i> sp.].
16 Weemala Rd: front garden/ rock outcrops	s/s outcrops	10ar(i)						5	low	isolated	T&BPO	significant rock outcrops; dom.weeds/ exotics; no native canopy; native ferns [<i>Gleichenia</i> sp.]; also <i>Cyathea</i> sp.
21 Weemala Rd: rear garden/ lower terraces adj. to Dorset Rd frontage	tree group s/s outcrops	10ar(i)	Pu	up to 50-60+	up to 5-7m	varies	regrowth	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic garden; Pu regrowth group; native ferns [<i>Calochlaena</i> sp.]; dom. weeds [<i>Ligustrum</i> , <i>Nephrolepis</i> spp.].
22 Weemala Rd: rear garden/ upper level rock shelf adj. to bdy. Nos. 24 Weemala Rd & 15A Wollombi Rd.	single tree s/s outcrops	10ar(i)	Fru [1]	80-100+	9m	15m	good	5	low	isolated	T&BPO	exotic garden; Fru [1]- old growth multi-trunk specimen [5000mm diam. basal area]/ assoc.w.rock outcrops.
37 Weemala Rd: rear garden / lawn area adj. to driveway	single tree s/s outcrops	10ar(i)	Cgu [1]	80-100+	12m	15m	good	5	low	isolated	T&BPO	exotic garden/ lawn; Cgu [1]- old growth spec./ some dead wood; gen. native planting [<i>Corymbia citriodora</i>].
Weemala Road - Road Reserves and Drainage Easements:												Survey Date: 16 Mar-20 Mar 2009

cul-de-sac: public grass verge/ embankment & rock outcrops adj. to bdy. No.2 Weemala Rd	s/s scarp s/s outcrops remnant community	10ar(i)	Ac [1] Fru [1]	<10 <5	2.5m <1m	2m <1m	good good	varies: 3-5 [mainly 5]	low-medium	fragmented	T&BPO	significant rock outcrops; natives [incl. <i>Gleichenia</i> , <i>Histiopteris</i> , <i>Calochlaena</i> , <i>Omalanthus</i> , <i>Smilax</i> , <i>Dianella</i> spp.]; Pu regrowth; <i>Cyathea</i> sp.- cultivated origin; dom. weeds [incl. <i>Nephrolepis</i> , <i>Cotoneaster</i> , <i>Asparagus</i> spp.].
Refer to Sailors Bay Road - Public Reserves [incl. Golf Course]: Northbridge Park Area S(iv) for tree listing adjacent to Weemala Road cul-de-sac].												
pedestrian pathway/ right-of-way; Ted Brown Lane [Lane W47]/ between Nos.4 & 8 Weemala Rd.	single tree s/s outcrops	10ar(i)	Al [1]	20-30+	6m	7m	good	5	low	restricted	T&BPO	rock outcrops; dom. weeds [<i>Lantana</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> spp.]; Pu regrowth; generic native planting.
easement between Nos.17&19 Dorset Rd: rock outcrops/ lower slope	single tree s/s outcrops	10ar(i)	Fru [1]	30-40+	4m	7m	good	5	low	isolated	T&BPO	Fru [1]- multi-trunk specimen on rock outcrops; o'head powerlines; weeds dom. [<i>Ligustrum</i> , <i>Nephrolepis</i> spp.]; Pu regrowth.
Weetalibah Road - Residential Properties:											Survey Date: 16 Mar-20 Mar 2009	
2 Weetalibah Rd: rear garden/ on lawn adj. to Sailors Bay Rd.	single tree	10ar(i)	Eha [1]	60-80+	9m	12m	good	5	low	restricted	T&BPO	Eha [1]- twin-trunk spec./ some dead wood; remove <i>Wisteria</i> sp. on base; possibly old growth specimen.
Widgiewa Road - Residential Properties:											Survey Date: 10 Aug-14 Aug 2009	
2 Widgiewa Rd: rear garden/ steep embankment	tree group s/s outcrops	10ag(i)	Epip [1] Epip [1] Al [1] Ceg [1]	80-100+ 60-80+ 20-30+ unknown	12m 18m 7m 2m	22m 20m 6m 1.5m	fair good good good/ lopped	5	low	fragmented	T&BPO SREP 23	steep embankment/ highly modified; Epip[1]- old growth spec./ ext. dead wood w. adventitious growth; Epip[1]- some dead wood; dom. weeds [incl. <i>Arundo</i> , <i>Phyllostachys</i> , <i>Lantana</i> , <i>Olea</i> <i>Nephrolepis</i> spp.]; Fru [1]- adj. to bdy/ in reserve - confirmed by owner.
Note: Listing is subject to SREP 23: Outstanding Visually Prominent Natural Landscapes.												
Widgiewa Road - Road Reserves and Drainage Easements:											Survey Date: 10 Aug-14 Aug 2009	
public verge/ grass embankment: adj. to bdy. No.1 Coorabin Rd [Widgiewa Rd. frontage]/ upper portion/ south of driveway	tree group s/s outcrops remnant community	10ag(i)	Epip [1] Ac [1] Ac [1] Ac [1] Bint [1] Bint Fru [1] Gf/ Pu	30-40+ 15-20+ 5-10+ <5 60-80+ <5 15-20+ up to 20-30+	14m 8m 4m 1m 9m <1.5m 7m up to 4-6m	12m 6m 2m 0.5m 7m <1m 8m varies	v.poor good good good/ regen. good good/ regen. good good/ regrowth	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	embankment/ rock outcrops; Epip [1]- ext. die-back (80%)/ dead wood; Bint [1]- old specimen/ possibly planted; some remnant native g/covers [incl. <i>Dodonaea</i> , <i>Imperata</i> , <i>Pteris</i> spp.]; dom. exotics/ weeds [incl. <i>Phoenix</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> , <i>Lantana</i> , <i>Nerium</i> , <i>Tradescantia</i> , <i>Senna</i> spp.]; gen. native planting [<i>Callistemon</i> sp.]; listings subject to boundary survey.
[Widgiewa Rd. frontage]/ lower portion/ north of driveway			Ac [1] Ac [1] Gf/ Pu	60-80+ 20-30+ up to 20-30+	12m 9m up to 6-9m	14m 7m varies	good good varies/ regrowth					
Widgiewa Road - Public Reserves:											Survey Date: 10 Aug-14 Aug 2009	
Forsyth Park (Warners Bay Group) Forsyth Park is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas (Public Open Space) in the Willoughby City Bushland Plan of Management (2000). The park was acquired in 1921 and named after Robert Todd Forsyth (1877-1939), former Mayor and Alderman of Willoughby Council.												

Forsyth was associated with the foreshore development of Northbridge Baths (built 1924).
Note: Forsyth Park is subject to *SREP 23: Outstanding Visually Prominent Natural Landscapes*.

Forsyth Park listings are divided into Areas A-C [refer to aerial photos] as follows:

Area A(i): steep embankment adj. to bdy.1A Coorabin Rd and car parking area	tree group s/s outcrops	10ag(i)	Ac [1] Gf/ Pu Bint	40-50+ up to 20-40+ up to 20-30+	12m up to 5-7m up to 8-9m	7m varies varies	good good good	5	low	fragmented	T&BPO	high level of disturbance/ modification steep slope; dom. weeds [incl. <i>Olea</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> spp.]; gen. native planting [<i>Eucs. microcorys</i> / <i>nicholii</i>]; all <i>Banksia integrifolia</i> - likely cultivated origin.
Area A(ii): upper embankment between Coorabin Road/ Widgieva Road and car parking area	core bushland community s/s outcrops		Ac/ Epip Al Er/ Fru	up to 80-100+ up to 30-40+ up to 5-10+	up to 12-15m up to 7-9m up to 4-5m	up to 20m varies varies	varies good good	varies: 1-5 [mainly 1-2]	high-low	contiguous	SEPP 19/ T&BPO SREP 23	core bushland community w. largely intact native canopy/ understorey; s/s outcrops; varying level of disturbance/ weed invasion; natives [incl. <i>Grevillea</i> <i>linearifolia</i> , <i>Pittosporum revolutum</i> , <i>Cissus hypoglauca</i> , <i>Calochlaena</i> , <i>Pteridium</i> , <i>Polyscias</i> , <i>Dodonaea</i> , <i>Entolasia</i> , <i>Microlaena</i> , <i>Smilax</i> spp.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
Area B(i): middle embankment [eastern] between car parking area and Northbridge Pool [incl. south-eastern corner adj. to rear boundaries to Nos. 81-83 Minimbah Rd]	remnant community s/s outcrops s/s scarp	10ag(i)	Ac [dom.] Epip Epu Al/ Gf/ Pu Cal/ Bint	up to 80-100+ up to 80-100+ up to 60-80+ up to 40-50+ up to 15-20+	up to 16-18m up to 15-16m up to 10m up to 6-9m varies	up to 20m up to 20m up to 12m varies varies	varies varies good good/ regrowth good	varies: 4-5 [mainly 5]	low	fragmented	SEPP 19/ T&BPO SREP 23	high level of disturbance/ modification; fragmentation of native canopy/ mesic shift; ext. native vine growth [<i>Cissus</i> <i>hypoglauca</i> (dom.)/ <i>Smilax</i> spp.]; <i>Banksia integrifolia</i> , <i>Clerodendrum</i> , <i>Callicoma</i> , <i>Cyathea</i> spp.- all likely cultivated origin; dom. weeds [incl. <i>Acetosa</i> , <i>Tradescantia</i> spp.].
Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												
Area B(ii): middle embankment [northern/ north-eastern portion] between car parking area & access road/ Northbridge Pool	core bushland community s/s outcrops	10ag(i)	Ac/ Epip Fru Al/ Ceg	up to 80-100+ up to 60-80+ up to 30-40+	up to 12-16m up to 6-8m up to 5-8m	up to 20m up to 15m varies	varies good good	varies: 1-3	high-medium	contiguous	SEPP 19/ T&BPO SREP 23	core bushland community w. largely intact native canopy/understorey; significant rock outcrops; natives [incl. <i>Grevillea linearifolia</i> , <i>Acacia ulicifolia</i> , <i>Clerodendrum</i> , <i>Eustrephus</i> , <i>Dianella</i> , <i>Glycine</i> , <i>Entolasia</i> , <i>Imperata</i> spp.];
Northbridge Pool [lawn area] Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												<i>Casuarina glauca</i> - planted on lawn.
Area C: lower embankment [northern] between access road/ Northbridge Pool & No.2 Widgieva Road [adj. to Northbridge Marina]	core bushland community s/s outcrops s/s scarp	10ag(i)	Ac/ Epip Al [dom.] Gf/ Pu Ka Fru	up to 80-100+ up to 30-40+ up to 40-50+ up to 20-30+ up to 80-100+	up to 12-16m up to 5-8m up to 6-9m up to 4m up to 10m	up to 20m varies varies varies up to 15m	varies good good/ regrowth good good	varies: 1-5	high-low	fragmented	T&BPO SREP 23	largely intact native canopy/ under- storey [incl. <i>Allocasuarina</i> , <i>Grevillea</i> , <i>Kunzea</i> , <i>Pteridium</i> spp.]; Pu regrowth; grading to highly disturbed/ modified community; no native canopy/ weed thicket along western edge [<i>Arundo</i> , <i>Phyllostachys</i> spp.]; <i>Tristaniopsis</i> <i>laurina</i> - likely cultivated origin;

Note: Listing is subject to <i>SREP 23: Outstanding Visually Prominent Natural Landscapes</i> .												significant scarp/ rock outcrops;
Wollombi Road - Residential Properties:												Survey Date: 16 Mar-20 Mar 2009
1 Wollombi Rd: rear garden/ lower level [adj. to Northbridge Park].	s/s outcrops remnant community	10ar(i)	Er [1] Er	10-20+ <5	6m <1m	2m	good regen.	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /T&BPO	highly modified/ dom. weed thicket [incl. <i>Ligustrum</i> , <i>Nephrolepis</i> , <i>Ochna</i> spp.]; <i>Acacia floribunda</i> group- likely planted; natives [incl. <i>Calochlaena</i> , <i>Pteridium</i> , <i>Omalanthus</i> , <i>Dianella</i> spp.] Pu regrowth; subject to bdy. survey.
2 Wollombi Rd: rear garden/ on bdy. to Northbridge Park [cleared/ mown no fuel zone]	single tree	10ar(i)	Eha [1]	50-60+	9m	14m	v.poor	5	low	restricted	T&BPO	exotic garden/ lawn; weeds; Eha [1]- ext. die-back (80%)/ heavily lopped for o'head powerlines; weak adventit- ous growth; generic native planting.
6 Wollombi Rd: front garden/ on bdy. to public verge	single tree	10ar(i)	Ac [1]	80-100+	9m	16m	good	5	low	restricted	T&BPO	exotic garden/ lawn; weeds; Ac [1]- old growth spec./1400mm diam. base.
9 Wollombi Rd: front garden/ lawn adj. to front bdy./ verge	two trees	10ar(i)	Eha [2]	80-100+	12m	14-16m	good	5	low	restricted	T&BPO	exotic garden/ lawn; Eha [2]- old growth specs./ some dead wood.
11 Wollombi Rd: rear [western] garden/ rock outcrops adj. to tennis court	s/s outcrops s/s scarp single tree	10ar(i)	Fru [1]	80-100+	8m	12m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	significant scarp/ rock formations; Fru[1]- old growth spec. on rock shelf; exotic garden; weeds [<i>Cinnamomum</i> sp.]; <i>Cyathea</i> sp.- cultivated origin.
Wollombi Road - Road Reserves and Drainage Easements:												Survey Date: 16 Mar-20 Mar 2009
public verge/ mown grass adj. to bdy. No.2 Wollombi Rd.	two trees	10ar(i)	Af [1] Eha [1]	50-60+ 20-30+	12m 8m	14m 5m	good good	5	low	restricted	T&BPO	mown verge; both trees likely planted; other cultivated gen. natives [Eucs.].